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FERTILIZER ANALYSES

THE NEW FERTILIZER LAW

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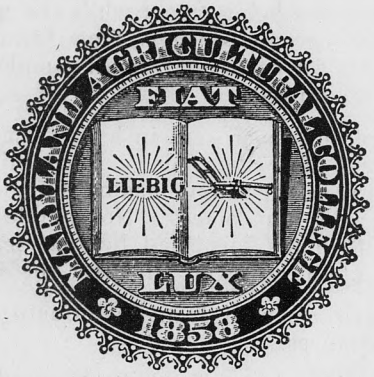

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Issued in the Months of February, May, August and November

ADDRESS

Chemical Department, Maryland Agricultural College

COLLEGE PARK, MD.

ANALYSES OF

Fertilizers Sold in Maryland

BY THE CHEMICAL DEPARTMENT OF

The Maryland Agricultural College

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The tables on the following pages are made up of the results of the analysis of fertilizers made at the College from February to July, 1912, inclusive.

The majority of the samples analyzed are obtained by our sampling agents, the samples being taken while the goods are in transit. on vessels, wharves, cars, or stations, from farmers' wagons, barns, etc. It is impossible for us to analyze all samples we collect; duplicates are generally omitted.

When a sample has been sent in by a farmer, his name, or initials, will be found after the "place of sampling." If "place of sampling" is not given, the sample has been made up of two or more samples taken at different places. No sample is analyzed unless fully described on blanks furnished by this department. The description is not sent in, however, till after the analysis is reported.

No samples are accepted from manufacturers or their agents under any circumstances.

The figures in the columns headed "Ammonia, " "Potash" and "Phosphoric Acid," are percentages, or pounds per hundred. To get pounds per ton multiply the per cent by 20. The columns headed "Found" contain the results found by analysis; those headed "Guaranteed" contain the essential part of the guarantee as stamped on the bags.

The "Comparative Value Found" is calculated from the results of analysis as found in our laboratory; the "Comparative Value Guaranteed" is calculated from the manufacturers' guaranteed analysis as printed on the bags; in each case using the schedule as given below.

Schedule for Calculating Comparative Values

In Mixed Fertilizers:

For Nitrogen, calculated as Ammonia	20 cts. per pound
For Potash (K_2O), in forms free from muriate	6 cts. per pound
For Potash (K_2O), as muriate or kainit	5 cts. per pound
For Available Phosphoric Acid	6 cts. per pound
For Insoluble Phosphoric Acid	2 cts. per pound
For Insoluble Phosphoric Acid when from rock	1 ct. per pound

In Dissolved Rock:

Available Phosphoric Acid	4½ cts. per pound
Insoluble Phosphoric Acid	1 ct. per pound

In Tankage:

For Nitrogen, calculated as Ammonia	15 cts. per pound
For Phosphoric Acid	3 cts. per pound

In Ground Bone:

For Nitrogen, calculated as Ammonia	20 cts. per pound
For Phosphoric Acid	3 cts. per pound

The "Comparative Values" given in the table are not claimed to be the proper prices to be paid for the various fertilizers at the place of sale or use. They will be found to be not far from the prices for which fertilizers may be obtained at Baltimore, for cash. In making comparisons at other points freight from Baltimore should be added.

It should be noted that plant food costs more in low grade or "cheap" fertilizers than it does in high grade goods. Thus a 1-5-1 fertilizer (1 per cent of ammonia, 5 per cent of available phosphoric acid and 1 per cent of potash) will cost more than half as much as a 2-10-2 fertilizer, though it only contains half as much plant food. The demand for "cheap" fertilizer causes low grade material to be at a premium, even when less efficient and less available than the same amount of actual plant food in the higher grade goods.

Farmers are advised to buy 16 per cent dissolved rock or acid phosphate, when possible. Do not expect to get the 16 per cent goods at the same price paid for the 14 per cent, however. The higher grade will cost about $1 per ton more. The cheapest filler is the soil in the field and the cheapest mixing machine is the harrow.

Low grade mixed fertilizers should be avoided, such as fertilizer guaranteed to contain ¼ per cent Ammonia, 6 per cent Available Phosphoric Acid and 1 per cent of Potash. Such a fertilizer could be made as follows: 50 lbs. Ground Fish, 750 lbs. Dissolved Rock and 40 lbs. Muriate of Potash to the ton; this would necessitate the use of 1160 lbs. of filler in each ton.

In practice, however, such a fertilizer would be made of materials of low grade, as garbage, tankage, kainit, etc., and would not require so much filler.

Avoid the "cheap" low grade fertilizers if you would avoid filler.

The New Fertilizer Law will take effect February 1, 1913. It will be found on pages 37-40.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Amer. Agrl. Chem. Co., N. Y., N. Y.											
23795	Big Crop Phosphate	Rockville	.....	.....	5.13	5.00	.55	.....	8.63	8.00	$13.01	$12.20
23798	Dead Shot Phosphate	Reisterstown	.51	.50	2.02	2 00	.90	.....	8.38	8.00	14.48	13.60
24357	Dissolved Animal Bone	Annapolis	2.61	2.50	.....	.....	1.90	.....	12.91	12.00	26.69	24.40
24330	Excelsior Alkaline Bone	Baltimore	.....	.....	5.14	5.00	.62	.....	11.83	10.00	15.91	14.00
24459	Fine Ground Bone	Glen Morris	3.23	3.00	.....	.....	*25.92	*22.88	.....	.....	28.47	25.73
23836	Fish, Bone & Potash	Ellicott City	1.62	1.50	3.15	3.00	1.15	.....	8.03	8.00	19.73	18.60
24431	Fruit Tree Invigorator	Smithsburg	.....	.....	8.64	8.00	.95	.....	10.13	10.00	17.95	17.00
24295	Gem Alkaline Phosphate	Baltimore	.....	.....	3.39	3.00	.57	.....	6.74	6.00	9.57	8.40
23721	Hall Mixture	Baltimore	1.28	1.25	5.06	5 00	1.12	.....	8.97	8.00	21.39	19.60
23860	High Grade Potato Manure	Mitchelly'e (W.C.T)	4.04	4.00	10.27	10 00	.62	.....	8.64	8.00	37.05	35.60
23776	Ideal Corn Grower	Williamsport	1.11	1.00	4.17	4.00	.82	.....	8.66	8 00	19.33	17.60
23282	Potash Mixture 10%	.....	2.62	2 00	8 87	10.00	1.39	.....	7.43	5.00	28.83	24.00
23640	Pure Raw Bone	Baltimore	4.39	4.50	.....	.....	*21.63	*21.51	.....	.....	30.54	30.91
23892	Royal Alkaline Bone	Baltimore	.....	.....	4.02	4.00	.52	.....	10.64	10.00	13.70	13.00
23684	Special Potash Mixture	Baltimore	1.25	1.00	7.47	7.00	.57	.....	9.63	9.00	24.26	21.80
23712	Special Tomato Fertilizer	Baltimore	1.02	1.00	4.58	4.00	.87	.....	8.68	8.00	19.43	17.60
23799	Square Deal Phosphate	White Hall	2.08	2.00	4.01	4.00	1.22	.....	8.15	8 00	22.60	21.60
23842	Super-Phosphate 16%	Baltimore	.....	.....	.....	.....	.25	.....	16.50	16.00	14.90	14.40
23800	Top Notch Phosphate	White Hall	2.17	2.00	4.75	5.00	1.12	.....	8.40	8.00	23.96	22.60
23831	Young's Melon Fertilizer	Baltimore	3.14	3.00	10.78	10.00	.42	.....	10.23	10.00	35.79	34.00
	A. A. C. Co. (Canton) Balto., Md.											
23754	Baker's Dissol'd S. C. Phosphate	Baltimore	.....	.....	.....	.....	.70	....	14.87	14.00	13.52	12.60

23755	Baker's Fish Guano	Baltimore	2.06	2.00	2.05	2.00	.85		8.97	8.00	$21.39	$19.60
23847	Baker's Spec. Wh't. Corn & Gr.	Baltimore	1.01	1.00	2.19	2.00	.75		9.48	9.00	17.91	16.80
23653	Baker's Standard H. G. Guano	Baltimore	2.52	2 50	3.19	3.00	.95		8 74	8.00	24 14	22.60
23843	C. C. C. Special Compound	Baltimore	2.29	2.50	5 73	6.00	.77		8.82	8.00	25.78	25.60
23844	Eagle Phosphate	Baltimore	1.01	1.00	1 21	1.00	.75		7.89	7.00	15.02	13.40
23848	Harrow Brand Crop Grower	Baltimore	1.04	1.00	1.18	1 00	1.00		9 19	8.00	16.77	14.60
23801	Potato Manure	Reisterstown	1.52	1 50	4 91	5.00	1 15		6 93	6.00	19.77	18.20
24423	Resurgam Guano	Sykesville	1.08	1.00	4.11	4.00	.90	1.00	8.66	8.00	19.18	18.00
23713	Soluble Phosphate & Potash	Baltimore			2.40	2.00	.75		10 31	10.00	11 83	11 00
23686	Truckers' Delight	Baltimore	5.10	5 00	5.64	5.00	87		7.91	7.00	35 88	33 40
23644	Truckers' Special Guano 7%	Balt more	7.10	7.00	5.74	5.00	1.15		6.90	6.00	42.88	40.20
	A. A. C. Co. (Detrick) Balto., Md.											
23882	Ammoniated Bone Phosphate	Baltimore	1.59	1 50	2.18	2.00	1.65		9.14	9.00	20 17	18.80
23849	Corn & Oats Fertilizer	Baltimore	1.02	1.00	3.16	3.00	.75		9 42	9.00	18.84	17.80
23645	Dissolved S. C. Phosphate	Baltimore					.57		14.64	14.00	13.29	12.60
23624	Gold Basis	Baltimore	7.02	7 00	5 64	5.00	1.57		6.97	6.00	42.71	40.20
23718	Gold Eagle	Baltimore	3.67	3.00	5.50	6.00	.90		7 44	6.00	29.47	25 20
23802	Imperial Compound	Pikesville	1.01	1 00	2.03	2.00	1 20		8.79	8.00	17 10	15 60
23722	Kangaroo Komplete Kompound	Baltimore	2.03	2.00	3.05	3.00	.62		8.94	8 00	22.15	20 60
23880	P. & B. Special Fertilizer	Baltimore			3.25	3.00	.62		12.15	12 00	14 31	13.80
23803	Quick Step Phosphate	Pikesville	3 04	3.00	4 17	4.00	1.17		8 41	8.00	26.89	25.60
24296	Royal Crop Grower.	Baltimore	2.12	2.00	2.32	2.00	.80		8 24	8.00	21 01	19.60
23646	Soluble Phosphate & Potash	Baltimore			2 28	2 00	.50		11.02	10.00	12 30	11.00
24358	Special Mixture	Baltimore	1.04	1.00	1 46	1.00	.92		8 66	8.00	16.38	14.60
24390	Special Tobacco Fertilizer	Baltimore	3.06	3 00	3 50	3.00	.95		8.17	8.00	25.92	24.60
23630	Special Trucker	Baltimore	5.20	5.00	5.42	5.00	1.25		7.80	7.00	36 08	33.40
24368	Victory Alkaline Bone	Baltimore			5.71	5.00	.62		12.03	12.00	16.66	15.80
	A. A. C. Co. (Fenney & Lang) Balto. Md.											
23685	Bull Head Patato Manure	Baltimore	4 74	5.00	7.02	7.00	1.00		6 79	6 00	34.53	34.20
	A. A. C. Co. (Lazaretto) Balto., Md.											
23837	Ammoniated Phosphate	Ellicott City	1.08	1.00	2.26	2.00	1 05		8.23	8.00	16.88	15.60
24489	Animal Bone Fertilizer	Hampstead	2.27	2.25	4.39	4.00	4.70	4.50	9.13	9.00	26 31	25.60
24317	Crop Grower	Baltimore	2.12	2.00	2 10	2.00	.70		8 64	8.00	21.23	19.60
23647	Dissolved Phosphate	Baltimore					.60		14 92	14.00	13.55	12.60
24360	Dissolved Phosphate & Potash	Baltimore			2 18	2.00	.67		10.55	10.00	11 81	11.00

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	A. A. C. Co., (Lazaretto) Balto., Md.											
23617	Early Trucker	Baltimore	5.10	5.00	5.55	5.00	1.45	.....	7.60	7.00	$35.67	$33.40
23850	Early Trucker	Cordova (C. R. W.)	4 88	5 00	5.56	5.00	.95	.....	8 12	7.00	35.20	33.40
23723	Excelsior A. A. A.	Baltimore	1.26	1.00	1.61	1.00	.70	.....	7.97	7.00	16.49	13.40
23710	H. G. Dis. Phosphate & Potash.	Baltimore	.....	.....	5.36	5.00	.30	.....	11.32	10 00	15 61	14.00
23777	H. G. Dis. Phosphate & Potash	Williamsport	.....	.....	5.18	5 00	.42	.....	12.28	12.00	16.31	15.80
23705	Retriever Animal Bone Fertilizer	Baltimore	2.37	2.25	4.61	4.00	5 25	4.50	9.64	9.00	27.76	25.60
23778	Special Potato & Tobacco Fer..	Williamsport	1 04	1.00	4.16	4.00	.60	.....	9.03	8 00	19.40	17.60
23804	Special Potato & Tobacco Fer..	Glyndon	1.16	1.00	4 13	4.00	1.02	.....	8.26	8.00	19 09	17 60
24297	Spec. Wheat, Corn & Grass Grower	Baltimore	.60	.50	2 10	2.00	.70	.....	8.21	8 00	14.63	13.60
23678	Tomato Compound	Baltimore	1.45	1.50	5.36	5 00	1.67	.....	6.81	6.00	20.00	18 20
	A. A. C. Co. (Maryland) Balto., Md.											
23888	Dissolved S. C. Phosphate	Baltimore	.....	.....	.....	.....	.52	.....	14.67	14 00	13.30	12.60
24334	O. K. Ammoniated Fertilizer..	Baltimore	1.02	1.00	2.13	2.00	1.10	.....	8.45	8.00	16.79	15.60
23615	Special Compound	Baltimore	2.20	2 00	10 22	10.00	1.55	.....	8.41	8 00	29.73	27 60
23633	Special Mixture	Baltimore	2 35	2.50	3.45	2.50	.90	.....	10.91	10.50	26.30	25.10
	A. A. C. Co. (Nickerson) Easton, Md.											
23663	Acid Phosphate	Baltimore	.....	.....	.....	.....	1.40	.....	14.75	14.00	13.56	12.60
23711	Corn & Oats Fertilizer	Baltimore	1.08	1.00	3.41	3.00	.67	.....	9.60	9.00	19 52	17.80
23625	Dissolved Bone & Potash	Baltimore	.....	.....	5 62	5.00	.32	.....	12.64	12.00	17.06	15.80
23688	Early Queen	Baltimore	4.56	5.00	5 23	5 00	.87	.....	8.36	7.00	33.85	33.40
24343	English Mixture	Baltimore	1.16	1.00	2.30	2.00	.97	.....	8.40	8.00	17.41	15.60

23747	Fish, Bone & Potash	Baltimore	3 07	3.00	4.17	4.00	.90		8.92	8.00	$27.51	$25.60
23744	High Grade Compound	Mattaponi	7.08	7.00	5.06	5.00	1 22		7.02	6.00	42.29	40.20
23664	H. G. Vegetable Compound	Baltimore	6.79	7.00	5.41	5.00	1.27		7.13	6.00	41 64	40.20
23687	Mixture	Baltimore	87	.50	2.19	2 00	.75		9.21	8.00	17.02	13.60
24331	Tomato Fertilizer	Baltimore	1 11	1.00	4.16	4.00	1.00		8.58	8.00	19.30	17.60
24366	Truck Guano	Baltimore	2.20	2.00	2.37	2.00	1.32		8.72	8.00	22.16	19.60
	A. A. C. Co. (Reese) Balto., Md.											
23648	Potato & Truck Special	Baltimore	4 01	4.00	7.34	7.00	1 30		8.79	8.00	34 45	32.60
	A. A. C. Co. (Sharpless & Carpenter) Balto., Md.											
23724	Soluble Tampico Guano	Baltimore	4.16	4.00	6.15	7.00	.72		8.78	8.00	33.62	32.60
	A. A. C. Co. (Slingluff) Balto., Md.											
23609	Top Dresser	Baltimore	6.83	5.00	2.53	2 50	.80		4.13	5 00	35 13	28.50
23602	Tobacco Plant Bed Fertilizer	Baltimore	9.91	10.00	3.52	2.50	1.72		5.23	4 00	50.13	47.30
23283	Truckers' Favorite	Baltimore	4.79	3.75	2.87	3.00	1.19		8.19	9.00	32.34	28 80
	A. A. C. Co. (Susquehanna) Balto., Md.											
24413	Ammoniated Phosphate	Baltimore	2.18	2.00	2.27	2 00	1.40		8.50	8 00	21.75	19.60
24298	H. G. Phosphate & Potash	Baltimore			5.13	5.00	.62		12.63	12.00	16.62	15 80
24468	H. G. Phosphate & Potash	Hagerst'n (W.H.A.)			4.79	5.00	.80		11 74	12.00	15 52	15.80
23897	Potato & Tobbaco Phosphate	Baltimore	2 05	2.00	4.88	5.00	1.02		8.15	8.00	23.27	22.60
23659	Soluble Bone & Potash	Baltimore			2 20	2.00	55		10.82	10.00	12.05	11.00
24472	Standard Grain & Grass Prod.	Baltimore			2.93	3 00	.60		11.67	12.00	13.55	13.80
24458	Standard Superior Rock Phos.	Baltimore					65		14.67	14.00	13.33	12.60
	A. A. C. Co. (Tygert Allen) Phila., Pa.											
24359	Gold Edge Potato Guano	Baltimore	2.53	2.50	6.02	6.00	.82		8.19	8.00	26.30	25.60
23734	Guano 5%	Baltimore	5.14	5.00	5.05	5.00	1.10		8.27	7.00	35.97	33.40
23689	Guano 7%	Baltimore	7 10	7.00	5.29	5.00	1.37		6.95	6.00	42.58	40.20
23839	Standard Brand Phosphate	Baltimore	2.17	2.00	2.03	2.00	.77		8.81	8.00	21.59	19 60
24412	Star Dissolved S. C. Rock	Baltimore					75		14.67	14.00	13.35	12.60
	A. A. C. Co. (Wheeler) Rutland, Vt.											
23881	General Crop Grower	Baltimore	2 13	2.00	2.28	2.00	1.12		8 35	8 00	21.27	19.60
23654	Peerless Acid Phosphate	Baltimore					.60		14.85	14.00	13 49	12.60
23655	Potato Manure	Baltimore	2.61	2.00	6 34	5.00	.82		8 11	7.00	26.84	21.40
23817	Royal Wheat Grower	Princess Anne	1.40	1.00	2.34	2.00	.85		9.03	8.00	19.12	15 60
23818	Superior Trucker	Princess Anne	4.03	4.00	6.72	7 00	.82		8.35	8.00	33.19	32.60
23819	Wheat & Clover Fertilizer	Princess Anne			2 02	2.00	.50		10.66	10.00	11.71	11.00

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	A. A. C. Co. (Williams & Clark) Ne	**wark, N. J.**										
23756	Bull Head Potato Manure.....	Baltimore	4.88	5.00	6.53	7.00	1.32	.....	7.61	6.00	$35.71	$34.20
	A. A. C. Co. (Zell) Balto., Md.											
23805	Ammoniated Super-Phosphate..	White Hall.....	2.06	2.00	2 23	2.00	1.02	.....	8 86	8.00	21.51	19 60
24432	Dissolved Phosphate	Smithsburg.....	.....	.....	.....	.....	.62	.....	14.84	14.00	13.48	12.60
24454	Economizer Phosphate.....	Catonsville	1.03	1.00	2.05	2.00	1.15	....	9.08	8.00	17.53	15.60
24335	Electric Phosphate..... ...	Baltimore	.....	.....	2.14	2.00	1.00	.....	10.17	10.00	11.49	11 00
24433	Hustler Phosphate.....	Smithsburg.....	1 06	1.00	3.28	3.00	.80	.....	9.47	8.00	19.20	16.60
23893	Little Giant.....	Laurel.....	1.01	1.00	1.22	1.00	.65	.....	7 97	7.00	15.08	13.40
23649	Special Compound.....	Baltimore	2.92	3.00	4 33	4.00	1.17	.....	9.08	9.00	27.38	26.80
23806	Special Potash Mixture.....	Upperco.....	.....	.....	3 55	2.00	1.35	.....	8 93	8.00	11.86	9.20
23735	Truck Grower.....	Baltimore	5.26	5.00	4.83	5.00	.87	.....	8.09	7.00	35.93	33.40
	American Fertz'g Co., Balto., Md.											
23845	Ammoniated Bone Compound...	Baltimore	1.19	1.00	2.44	2.00	2.15	1.00	8.71	8.00	18.51	16.00
23672	Champion Grain Grower.....	Baltimore	1 25	1.00	4.28	4.00	2.60	1 00	8.10	8.00	20.04	18.00
24318	Double Dissolved Bone & Potash	Baltimore	.....	.....	4 03	4.00	.90	1.00	10.35	10.00	13.53	13.20
23611	Double Extra Bone & Potash...	Baltimore	.....	.....	4.63	5 00	1.22	1.00	13 33	12.00	16 87	16.00
23748	Excelsior Gauno	Baltimore	1 79	2.00	a5 22	5.00	1.60	1.00	8.87	8.00	24 70	24 00
23779	Fish & Bone Compound.....	Keedysville.....	1.89	2.00	2.86	3.00	3.32	1.00	9.16	8.00	22.74	21.00
23670	Formula Wheat & Corn.....	Baltimore	.....	.....	4.80	5 00	.92	1.00	10.08	10.00	14.05	14.20
23736	Gilt Edge Truck Mixture.....	Baltimore	3.02	4.00	a9.95	8.00	1.42	1.00	8.10	7.00	34 31	34.40
23853	High Grade Acid Phosphate....	Dor. Co. (R. L. W.)	.....	.....	.....	.....	1.97	.....	15.10	14.00	13.98	12.60

23854	High Grade Acid Phosphate....	Dor. Co. (R. L. W.)	.....	.....	.....	.....	1.67	.....	16 72	16.00	$15.38	$14.40
23852	High Grade Cround Fish.....	Dor. Co. (R. L. W.)	10.52	11.00	.....	.....	*7.12	.....	.....	.....	35.83	33 00
23749	Potash & Bone Compound.....	Baltimore.....	1.71	2.00	3 39	3.00	2.72	1.00	9.24	8.00	32.10	21.00
23898	Potato & Vegetable Compound .	Baltimore.....	4.04	4.00	a9.89	10.00	3 25	1.00	6 22	6.00	36.79	35.60
23612	Prize Truck Guano.....	Baltimore.....	2.01	2.00	a11.10	10.00	1 75	1.00	8 37	8.00	32 10	30.00
23750	Special Compound Guano.....	Baltimore.....	.68	.50	2.54	3 00	1 50	1.00	7.67	7.00	15.06	13.80
24369	Special Formula.....	Baltimore.....	.73	.50	2 35	1.00	1.10	1.00	8 64	8 00	16.08	13.00
23757	Special Potash Mixture.....	Baltimore.....	.....	.....	4 25	4.00	.85	1.00	8 85	8.00	12.39	11.40
24299	Special Potato Manure.....	Baltimore.....	5.15	5.00	a6.31	7.00	1.15	1 00	7 27	6.00	37.35	36.00
24319	Special Super-Phosphate.....	Baltimore.....	.....	.....	3 04	3 00	.62	1.00	6.82	6.00	9.30	8.60
23613	Stable Manure Substitute.....	Baltimore.....	3.14	3.00	4.25	4 00	1 95	1 00	7.55	7.00	26.65	24.80
23889	Stable Manure Substitute.....	Baltimore.....	2.64	3.00	3.83	4.00	1.32	1.00	7.53	7.00	23.96	24.80
	Armour Fertz. Works, Balto., Md.											
23665	Acid Phosphate.....	Baltimore.....	.....	.....	.....	.....	.80	.50	17.61	16.00	16.01	14.50
23281	All Soluble.....	.....	3.82	3.50	4.35	4 00	93	.50	8.56	8.00	30 22	27 80
23725	Banner Brand.....	Baltimore.....	.....	.....	6.85	8.00	.20	.50	11.04	10.00	16 83	17 10
23618	Bone, Blood & Potash.....	Baltimore.....	5.22	5.00	7.42	7.00	1.32	50	8 04	8 00	38.48	36 80
23666	Bone Meal.....	Baltimore.....	3.19	3.00	.....	.....	*23 25	*22.50	.....	.....	26.71	25 50
24450	Cereal Phosphate.....	Baltimore.....	.....	.....	.....	.....	.75	.50	10.28	10 00	9 40	9.10
23832	Claude Parks Special Formula..	Baltimore.....	2.20	2.00	5.55	5.00	.62	.....	7 10	7.00	23.12	21 40
24364	Crop Grower.....	Baltimore.....	1.06	1.00	2.63	2 00	.52	50	8.45	8 00	17 22	15.80
23667	Fruit & Root Crop Special.....	Baltimore.....	2 29	2.00	5 55	5.00	1.67	.50	8 05	8 00	25.04	22.80
24320	Grain Grower	Baltimore.....	2.05	2.00	2.41	2 00	.82	.50	7.84	8 00	20 35	19 80
23706	High Grade Potato Fertilizer ..	Baltimore.....	2.25	2 00	10.38	10 00	.77	.50	8 75	8.00	30 19	27 80
23656	Manure Substitute.....	Baltimore.....	4.10	4.00	4.88	4.00	1.17	.50	6 61	6 00	29 68	27.40
23726	Phosphate & Potash	Baltimore.....	.....	.....	4 91	5.00	.20	50	12.89	12.00	16.55	15 90
23751	Phosphate & Potash No. 1.....	Baltimore.....	.....	.....	2.29	2.00	.35	.50	11 06	10.00	12.31	11.10
23840	Raw Bone Meal	Baltimore.....	4.62	4.50	....	....	*20.87	*22.00	.....	.....	31 00	31.20
23660	Royal Ammoniated Bone.....	Baltimore.....	1 23	1.00	4 23	4.00	1.07	.50	8.40	8.00	19.66	17 80
23639	Special Trucker.....	Baltimore.....	4.01	4 00	4.44	4.00	.57	.50	8.77	8 00	31 23	29.80
23619	Star Phosphate.....	Baltimore.....	.....	.....	....	....	.85	.50	14.29	14 00	13.03	12 70
23826	Superior	Providence.....	1 06	1.00	7.38	7.00	.40	50	8 10	8 00	2..50	20.80
23894	Sure Crop.....	Baltimore.....	.....	.....	5.13	5.00	.52	.50	8 10	8 00	12.52	12 30
24354	Tobacco Special.....	Baltimore.....	2.47	3 00	3 04	3 00	.92	.50	7.58	8.00	22.39	24.80
23737	Tomato Grower.....	Baltimore.....	2.05	2.00	2 35	2 00	57	.50	8 69	8 00	21.21	19.80
23668	Trucker	Baltimore.....	5.14	5.00	5 60	5.00	.67	50	7.02	7.00	34 85	33.60
23620	Trucker 7%.....	Baltimore.....	7 12	7.00	5 16	5 00	72	.50	6 21	6 00	41.38	40.40
23626	Trucker 10%.....	Baltimore.....	10.14	10.00	3.43	3.00	.65	.50	5.44	5.00	50 78	49.20

a As Sulfate. *Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Armour Fertz. Works, Balto., Md.											
24471	Truckers' Special	Baltimore	3.87	4.00	9.66	10.00	1.30	.50	6.54	6.00	$33.51	$33.40
24361	Valley Brand Tobacco	Baltimore	1.81	2.00	5 03	5.00	.57	.50	8 52	8.00	22.72	22.80
23890	Wheat, Corn & Oat Special	Baltimore	.97	1.00	1.01	1 00	.45	.50	8 43	7.00	15.19	13.60
23707	Wheat & Clover	Baltimore	.....	.....	5.45	5.00	.35	.50	10 82	10.00	15 26	14.10
	Atlantic Fertz. Co., Balto., Md.											
23758	Anne Arundel Garden & Truck	Baltimore	2.90	3.00	4 46	4.00	.05	1.00	8.22	8.00	25.94	26.00
23827	Arrow Brand Special	Providence	1.04	1.00	4.02	4.00	.40	.....	8.08	8.00	18.04	17.60
23641	Big 4, Blood, Bone, Fish & Pot.	Baltimore	2.51	3.00	5.21	6.00	.85	1.00	7 98	6.00	25.17	25 60
23727	Crop Producer	Baltimore	.92	.50	2.70	2.00	.35	.....	7.87	8.00	15.96	13 60
23642	Dissolved Phosphate	Baltimore	.....	.....	..	.....	.72	1.00	14.73	14.00	13.40	12.80
23690	Early Truck & Vegeta. Manure.	Baltimore	3 94	4.00	5.28	5 00	.37	.....	6.05	6.00	28 45	28.20
23691	Farmers' Alkaline Mixture	Baltimore	.....	.....	2 44	2 00	.60	1.00	9.71	10.00	11.30	11.20
23828	Fish & Potash Guano	Providence	1.64	1.50	4.02	4.00	.42	1.00	7.10	7 00	19 27	18.80
23763	Gold Medal	Silver Spring	2.29	2.00	2.90	3.00	.52	.....	8 85	8.00	22 89	20.60
23728	High Grade Potash Compound	Baltimore	.....	.....	4.80	5 00	.45	1 00	12.05	12 00	15.74	16.00
23886	Matchless A. B. C. Food	Baltimore	.77	.50	3.24	3.00	.22	.....	8.95	8.00	17.15	14 60
23643	Potato & Vegetable Comp. 7%	Baltimore	7.08	7.00	5.67	5.00	.42	1.00	7.23	6.00	42.84	40.60
23692	Royal Potato & Tomato Manure	Baltimore	1 76	2.00	5.34	5.00	.47	.....	6.70	7 00	20.61	21.40
23885	Standard Compound	Baltimore	1.76	2.00	2.27	2.00	.35	1.00	8.07	8.00	19.13	20.00
23693	X X Special Compound	Baltimore	1.72	2.00	10.38	10.00	.50	.....	8.39	8.00	27 53	27.60

	C. A. Baile & Co., Medford, Md.											
23820	Bone Phosphate No. 3	Medford	1.28	1.25	2.20	2 00	1.17	1 50	10.96	9 50	$20.94	$19.00
	Baltimore Fertz. Co., Balto., Md.											
23883	Honest Acid Phosphate	Baltimore					1 70	2.00	14 78	14.00	13.64	13.00
23807	Honest Ammoniated Bone	Parkton	2 35	2.00	2.34	2.00	.47		8 70	8 00	22.37	19 60
23764	Honest A. K. Bone	Boyd			3.34	3.00	.92		10.28	8.00	12 77	10.20
24336	Honest Bone Phosphate	Baltimore	.67	.25	1 44	1.00	.32		7.59	7.00	13.36	10 40
23876	Honest Bone & Potash	Baltimore			2 01	2 00	.97		11.81	10 00	12.83	11 00
24300	Honest Crop Grower	Baltimore	1.11	1.00	2.57	1.00	77		9.45	8 00	13.66	14 60
23650	Honest Guano 7%	Baltimore	7.01	7.00	4.90	5 00	67		6 64	6 00	41 18	40.20
23714	Honest Potato Grower	Baltimore	1 93	2.00	8.35	8.00	.97	1.00	8.27	6 00	26 38	23.60
23891	Honest Revenue	Baltimore	4 33	3.00	5.27	6 00	.95		7.45	7.00	31.91	26 40
24418	Honest Standard	Baltimore	.97	1.25	3 52	3 00	1 82		11.63	10 00	22 09	20.00
23808	Honest Success	Parkton	1.28	1 00	3.38	4.00	.62		8.69	7 00	19.18	16.40
23607	Honest Tobacco Mixture	Baltimore	9 50	10.00	4.09	3.00	1.32		4.21	4 00	47.67	47.80
23697	Honest Trucker	Baltimore	4 61	5.00	5 27	5.00	67		7.48	6 00	32.96	32 20
23765	Old Honesty	Boyds	96	50	2.78	2.00	1.07	1.00	9.05	8 00	17.91	14.00
	Baltimore Pulveriz'g Co., Balto, Md.											
23679	Ammoniated Butchers' Boner	Baltimore	1.71	1.50	2 03	1.50	1 02		9.56	9 00	20 75	18.30
23704	Blood, Bone & Potash Mix	Baltimore	4.03	3 00	7.45	7.00	.62		6.92	8.00	32.12	28.60
23680	High Grade Potato Fert	Baltimore	2 25	2.00	8.41	10.00	80		8 17	8.00	27.53	27.60
24479	Royal Tomato Compound	Baltimore	2.12	2.00	2.55	2.00	92		7 58	8 00	20.50	19.60
23673	Special Potato Mixture	Baltimore	2.28	2.00	4 71	4 00	.72		6.42	5.50	21.86	18 60
23674	Special Strawberry Compound	Baltimore	4 04	4 00	3.29	3.00	.82		6.62	5.00	27.72	25.00
23675	Truckers' Choice	Baltimore	3.17	3 00	2.21	1.50	1 05	1.00	8 02	8.00	24.93	23 10
	Baugh & Sons Co., Balto., Md.											
23738	Acid Phosphate 16%	Baltimore					.10		16 86	16.00	15.19	14.40
23861	Acid Phosphate 16%	Muirkirk (P. C.)					.22		15.82	16 00	14.28	14.40
24478	Ammoniated Soluble Alkaline		.70	.50	2 19	2 00	45		8.02	8.00	14.79	13.60
23752	Animal Base & Potash Comp.	Baltimore	2 10	2 00	2 26	2.00	52		7 85	8.00	20 29	19.60
23694	Complete Animal Base Fert	Baltimore	2 20	2.00	5.32	5.00	.40		8.77	8 00	24 80	22.60
23284	Commercial Super-Phosphate	Baltimore	2 01	2.00	10 42	10.00	.42		8 16	8.00	28.42	27.60
23681	Double Eagle $25 Phosphate	Baltimore	2.15	2.00	1.67	1.00	.65		9.31	8 50	21 70	19 20
23676	Excelsior Guano	Baltimore	1 52	1.00	4 83	4.00	.70		7.73	8.00	20.47	17 60
23792	Export Bone with Potash	Rising Sun	2.06	2 00	2 33	2 00	2.85		8.52	8.00	21.93	19.60
24490	Fine Ground Bone	Maple Grove	3.79	3.00			*16.66	*16.49			25.16	21.89

*Total Phosphoric Acid.

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							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Baugh & Sons Co., Balto., Md.											
24380	Fish, Bone and Potash	Baltimore	4.76	4 00	4.66	4.00	.52	.....	8 28	8.00	$33 85	$29.60
23635	Fish Mixture	Baltimore	2.30	2.00	2 53	2.00	.82	.....	8.36	8 00	22.09	19 60
23708	General Crop Grower	Baltimore	1.23	1.00	1 16	1.00	.32	.....	8.11	8.00	15.94	14.60
23793	Genuine German Kainit	Pleasant Hill.	.....	.....	13.80	12.00	.....	.....	...	.....	.....	.....
23604	Grand Rapids High Grade Guano	Baltimore	3.04	3.00	3.36	3.00	.50	.....	8.41	8.00	25.81	24.60
24464	Grand Rapids High Grade Guano	Baltimore	3.02	3.00	3.49	3.00	.62	.....	8.02	8.00	25.44	24.60
24376	Guano 3-6-6	Baltimore	3.23	3.00	7.14	6.00	.50	.....	6.59	6.00	28.17	25 20
23636	High Grade Acid Phosphate	Baltimore	.....	.....	.....	.....	.25	.....	16.14	14.00	14.58	12.60
23766	High Grade Cotton & Truck Guano	Rockville	2.44	2.00	2 55	2.00	.52	.....	10.06	10.00	24.59	22 00
23677	High Grade Potash Mixture	Baltimore	.....	.....	4.55	4.00	.97	.....	10.71	10.00	14 38	13.00
24480	High Grade Potato Grower	Baltimore	4.03	4.00	8.15	10.00	30	.....	9.23	8.00	35 47	37.60
23286	High Grade Tobacco Guano	Baltimore	3.15	3.00	3.62	3.00	.72	.....	8 53	8.00	26.75	24.60
23614	New Process Guano 10%	Baltimore	8.84	10 00	3.39	2.50	50	.....	6.29	5.00	46.50	48 50
24487	One Quarter Mixture	Lydia	2.08	1.75	3 23	3 00	2.15	.....	11 26	12 00	25.92	24 40
24391	Peninsula Grain Producer	Baltimore	1.37	1 21	2.35	2.00	.65	.....	8.93	8.00	18 81	16.44
23621	Peruvian Guano Substitute	Baltimore	5.17	5.00	7.12	7 00	.45	.....	6.36	6.00	35 61	34.20
24302	Phosphate and Potash 10 & 5	Baltimore	.....	.....	5.26	5.00	.70	.....	10.02	10.00	14.42	14 00
23740	Phosphate and Potash 12 & 5	Baltimore	.....	.....	4 84	5.00	.45	.....	12.41	12 00	16.10	15 80
23608	Potato and Truck Special	Baltimore	3 81	3.50	6.81	7.00	.45	.....	7.42	7.00	31 13	29.40
23719	Pure Bone & Muriate Potash Mix	Baltimore	3 24	3.00	5.41	5.00	*15 51	*15.00	.....		27.68	26 00
23809	Pure Dissolved Animal Bone	White Hall	2 92	2.50	.....	.....	.95	.....	14.91	13.00	29.95	25 60
23285	Raw Bone Meal	.....	4.61	4 50	.....	.....	*20.26	*21.50	.....	.....	30.60	30.90

23637	Soluble Alkaline Super-Phosphate	Baltimore	.....	.....	2.34	2.00	1.22	.....	10.27	10.00	$11.82	$11.00
23841	Special Alkaline 8 & 5	Baltimore	.....	.....	5.21	5.00	.42	.....	8.06	8 00	12.54	12.20
24424	Special Corn and Potato	Woodbine	1.28	1.00	4 83	5.00	.60	.....	8.28	8.00	20.13	18.60
23870	Special Mixture	Warton (E.A.C.)	4.33	4.00	a9.51	10.00	.20	.....	8.37	8.00	39.45	37.60
23741	Special Potato Manure	Baltimore	2.08	2.00	9.40	10.00	.42	.....	6.69	5.00	25 92	24.00
23627	Strawberry Mixture	Baltimore	3.23	3 00	5.34	5.00	.67	.....	7.12	7.00	27.07	25.40
23862	Tankage 7%	Muirkirk (P. C.)	7.12	7.00	.....	.....	*5.61	.....	.....	.....	24.73	21 00
23682	Tomato Compound	Baltimore	2.18	2.00	2.53	2.00	.45	.....	8.65	8.00	21 81	19.60
24402	Wrapper Leaf Brand	Baltimore	4.21	4.00	5.18	5.00	.60	.....	5.60	3.50	28.98	25.20
	Beck-Walker Co., Chestertown, Md.											
23743	Good Drilling 10-5	Chestertown	.....	.....	4.73	5.00	.52	.....	10.60	10.00	14.37	14.00
	Berg Co., Philadelphia, Pa.											
24367	Electric Raw Bone, Fine	Annapolis	4.30	b4 86	.....	.....	*22.27	*22.00	.....	.....	30 56	32.64
24488	High Grade Potato Manure	.....	3.53	b4.86	8 64	12.00	1.97	.....	9.03	9.00	34 39	42.24
24481	Special Bone Manure	Annapolis	2.05	c3.04	2.92	4.00	2.30	3.00	9.34	9.00	23.25	28.16
23786	Standard Bone Manure	Stockton	2.68	d3.65	5.80	8 00	1.45	.....	9.83	9.00	28.90	33.40
23811	Vigor Volo Bone and Potash	Fallston	3.02	d3.65	4.57	6.00	3.45	.....	10.05	8.00	30.09	30.20
	W. H. Bixler, Hagerstown, Md.											
23780	Bone Phosphate	Hagerstown	2.06	1.50	2.71	2 50	2.25	.....	6.84	6.00	20 06	15.70
23781	Bone and Blood Fertilizer	Hagerstown	3.03	2.00	5.09	5.00	2.00	.....	4.12	6.00	22.95	20.20
	Bowker Fertz. Co., Boston, Mass.											
24491	Ammoniated O. I. O. Phosphate	Brodbeck	.77	.75	.....	.....	.52	.....	10.53	10 00	15.93	15.00
23899	Potato and Vegetable Fertilizer	Baltimore	2.85	3.00	4.26	4.00	1.10	.....	8.43	8.00	26.22	25.60
24403	Stockbridge Spec. Comp. Manure	Baltimore	3.52	4.00	7.40	7.00	.87	.....	10.59	10 00	34.54	35.00
24463	Stockbridge Spec. Comp. Manure	Timonium (J.L.H.)	4.35	4.00	6.51	7.00	.42	.....	10.77	10.00	37.00	35.00
	Bryant Fertz. Co., Alexandria, Va.											
24420	Leader for Tobacco	Baltimore	2.56	3.00	3.29	3.00	1.07	1.00	7.63	7.00	23.12	23 80
24404	Planters' Potash Mixture	Baltimore	....	.....	3.24	3.00	.70	1.00	6.70	6.00	9 41	8.60
24457	Queen Ammoniated Dis. Bone	Baltimore	1.18	1.00	1.86	1.00	1.22	1.00	8.23	8.00	16.95	15.00
24377	Special Fish Mixture	Baltimore	1.19	1 00	4 67	4.00	1.02	1 00	8 34	8.00	19.85	18 00
23628	Trncker 7%	Baltimore	6 47	7.00	5.67	5.00	1.22	1.00	6.80	6 00	40.20	40 60
23629	Victor Tobacco Fertilizer	Baltimore	2.61	3.00	3 34	3.00	2.50	1.00	8 56	8.00	25 05	25.00
	H. Bryant's Son, Alexandria, Va.											
23767	Empress Ammoniated Dis. Bone	Derwood	1 02	1.00	1.53	1.00	1.15	.....	8.24	8.00	15.96	14 60
23796	Genuine Fish, Bone and Potash	Bethesda	2.01	2.00	3 19	3.00	.42	.....	8.63	8.00	21.76	20.60

b Nitrogen 4%—Ammonia 4.86%
a As Sulfate.

c Nitrogen 2.50%—Ammonia 3.04%.
*Total Phosphoric Acid.

d Nitrogen 3%—Ammonia 3.65%

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							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Chesapeake Chem. Co., Balto., Md.											
23782	Alkaline 12 & 5	Graceham	.....	.....	4.38	5.00	.52	.....	12.44	12.00	$15.68	$15.80
23783	Corn and Buckwheat	Graceham	.....	.....	3 56	3.00	1.02	.....	7.81	6.00	10 79	8.40
23696	Excelsior Fertilizer	Baltimore	2 75	3 00	4.10	4.00	1.00	.....	8.72	8.00	25.96	25.60
23784	Farmers' Favorite	Graceham	1 26	1.00	4 09	4.00	1.30	...	6.56	7.00	17.52	16 40
23829	Fish Guano	Providence	2.78	3 00	3.57	3.00	.80	.....	7 62	8.00	24.15	24.60
23785	Imperial Guano	Graceham	.63	.50	3.20	2 00	1.17	.....	8.31	8.00	16.16	13.60
23830	Raw Bone	Providence	4.93	4.50	.....	.....	*19 19	*22.00	.....	.....	31.23	31.20
	Coe-Mortimer Co., New York, N. Y.											
23864	Thomas Phosphate—Basic Slag	Charlotte Hall(T C H)	.....	.....	.....	....	....	.....	e15.58	15.00	.....	.....
	Columbia Guano Co., Balto., Md.											
24382	Acid Phosphate 14%	Baltimore	.....	.....	.....	.....	37	.50	13.64	14.00	12.35	12.70
24383	Grain Special Fertilizer	Baltimore	1.21	1.00	2.38	2.00	.65	.50	8 02	8 00	17.10	15 80
23833	Special Truck Guano	Baltimore	2.73	3 00	5 90	6.00	80	.50	8.41	8.00	27.23	27.80
	H. Cope & Co., Lincoln Univ., Pa.											
23794	Potato and Corn Phosphate	Rising Sun	1 51	1.50	4.56	4.00	57	2.00	8.50	5 00	21 03	16 80
23768	Queen of Elk Valley Phosphate	Rising Sun	1.91	2.00	7.92	8.00	.60	2.00	6.71	5.00	23.85	22.80
	J. Cope & Co., Balto., Md.											
24396	Acidulated Phosphate	Baltimore	.....	.....	.....	.....	.65	.....	14.67	14.00	13.33	12.60
23769	Ammoniated Phosphate	Rising Sun	1.09	1.00	3.23	3.00	.92	.....	8.48	8.00	18.14	16.60
23838	Excelsior	Baltimore	2 25	2.00	10.70	12.00	.90	.....	6.96	6.00	28.41	27.20

23730	High Grade Phos. and Potash...	Baltimore	.....	.....	5.01	5.00	.30	.....	10.75	10.00	$14.75	$14.00
23770	Potato and Tobacco Phosphate..	Rising Sun	1.09	1.00	7.11	7.00	.72	.....	10.72	10.00	24.62	23.00
23771	Puro Bono Phosphate.....	Rising Sun	2.29	2.25	4.42	4.00	5.17	4.50	8.85	9.00	26.27	25.60
23731	Special High Grade Guano 7% ..	Baltimore	7.10	7.00	5.36	5.00	1 20	.....	7.14	6.00	42.78	40.20
24371	Try Me Fertilizer....	Baltimore	2 08	2.00	4.35	4.00	1.00	.....	8 56	8.00	23.34	21.60
23884	Universal Mixture.....	Baltimore	...	.....	9.33	10.00	.72	...	7.74	8.00	16.44	17.20
24303	Wheat and Grass Special	Baltimore	1.03	1.00	1.50	1.00	.87	.....	8.25	8.00	15.87	14.60
	Crown Fertilizer Co., Balto., Md.											
23877	Fertilizer 3-8-3.....	Baltimore	3.02	3 00	3.92	3.00	.40	.....	8.96	8.00	26.91	24.60
	L. E. P. Dennis & Son, Crisfield, Md.											
23787	Fish and Potash Mix. No. 1	Stockton	2.64	3.00	5.20	5 00	.52	.....	7.48	7.00	24.95	25.40
23788	Fish and Potash Mix. No. 2....	Stockton	2.18	2.00	3.02	3.00	.67	.....	8.69	7 00	22 44	19.40
23789	Klondike Fish and Potash Mix ..	Stockton	1.37	1.00	4.21	2.00	.55	.....	6.57	8.00	17.79	15.60
23702	Potato Grower 7%.....	Stockton	6.88	7.00	5 27	5.00	.80	.....	7.28	6.00	41.85	40.20
23703	Special Round Potato Mixture ..	Stockton	4.45	5.00	5 83	6.00	.50	.....	6.94	6.00	32.16	33.20
	Dudley & Carpenter, Balto., Md.											
23812	Cardiff Mixture.....	Cardiff	1 81	2.00	5.53	8.00	1.60	.....	8.25	5.00	23.31	22 00
23813	Special All Crop Mixture	Cardiff	1 19	1.00	5.11	5.00	.52	.....	8.65	8.00	20.46	18.60
23600	California Tobacco Compound...	Baltimore	4.02	4.00	2.68	2.00	1 32	....	8.64	8.00	29 66	27.60
23601	Special Tobacco Plant Guano....	Baltimore	9 21	10 00	3.35	3.00	2.02	.....	5.74	5 00	47.89	49.00
23657	Special Wheat Mixture.....	Baltimore	.....	.....	3.07	3.00	3.62	.....	11.25	12.00	13.92	13.80
	Edelen Bros., Balto., Md.											
23603	Special Tobacco Bed 10%.....	Baltimore	10 29	10.00	2.85	3.00	.67	.....	5.47	4.00	50.84	47.80
24398	Special Tobacco Guano.....	Baltimore	3.23	3.00	3.39	3.00	.47	.....	9.05	8.00	27.36	24.60
24304	Special Wheat and Grass Mix...	Baltimore	1.21	1.00	2 21	2.00	1.02	.....	9.76	9 00	19.17	16.80
	J. A. Englar, Linwood, Md.											
23821	Ammoniated Bone Phos. No. 2..	Linwood.....	1.02	1.00	2.59	2.40	.97	.....	10.22	9.80	19 32	18.16
	Eureka Fertz. Co., Perryville, Md.											
23772	Alkaline No. 2.....	Rising Sun	.....	.....	2.26	2.00	.72		11 09	10.00	12 38	11 00
23773	Corn and Potato Special	Rising Sun	1.25	1.00	3.33	3.00	1.85	.....	8.42	9.00	19.17	17 80
23814	High Grade Trucker.....	Perryman	2.24	2.00	10.02	10.00	1.85	.....	8.30	8 00	29.68	27 60
23815	Imperial Bone Phosphate.....	Perryman	1.23	1.00	2.01	1.00	1.47	.....	8.86	8.00	18 15	14.60
23774	Potato and Vegetable.....	Rising Sun	2.01	2 00	3.30	4.00	1.87	.....	8.51	8.00	22.30	21 60
23816	Wrapper Leaf.....	Perryman	2.35	3.00	6 12	6.00	1.50	.....	9.04	8.00	26.97	27.60

*Total Phosphoric Acid. e Wagner's Method.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	W. S. Farmer & Co., Balto., Md.											
23661	Anne Arundel Trucker	Baltimore	4.11	4.50	7.54	7.00	1.02	.....	8.62	8.00	$34.73	$34.60
23732	B. & P. Phosphate	Baltimore	.....	.....	2.67	2.00	.75	.....	10 90	10.00	12.63	11.00
23895	Cereal King	Baltimore	.....	.....	2.76	3.00	.65	.....	12.58	12.00	14.21	13.80
23733	Clyde Brand	Baltimore	1.08	1.00	2.48	2.00	1.02	.....	9.04	8.00	18.06	15.60
23651	Dissolved S. C. Phosphate	Baltimore	.....	.....	.....	.....	.65	.....	14.92	14.00	13.56	12.60
23742	Empire Alkaline Phosphate	Baltimore	.....	.....	4.61	5.00	.45	.....	11.04	10 00	14.64	14.00
23652	Fish Mixture	Baltimore	2.01	2.00	2.17	2 00	.80	.....	9.18	8.00	21.55	19 60
23753	Harvest Queen	Baltimore	1.27	1 25	3.19	3.00	.85	.....	9.62	9.00	20.15	18.80
23622	Potato Guano 7%	Baltimore	7.01	7.00	5.37	5.00	1.85	.....	6.42	6 00	41.85	40.20
24305	Potato and Tobacco Phosphate	Baltimore	2.05	2 00	9 62	10.00	.95	.....	9.55	8 00	29 66	27.60
23669	Standard Phosphate	Baltimore	2 92	2.63	4 20	2.50	1.02	.....	10.17	10.00	28 49	25.02
23878	Superior Potash Phosphate	Baltimore	.....	.....	5.08	5.00	.55	.....	12.30	12 00	16 26	15.80
23834	Top Dresser	Baltimore	4.45	5 00	3.20	2.50	.37	.....	6.26	5.00	28.66	28.50
23683	Truckers' Compound	Baltimore	3.11	3.00	4.02	4.00	.95	.....	9.12	8.00	27.78	25.60
	Farmers' Fer. Co. Union Bridge, Md.											
23822	Bone Phosphate No. 1	Union Bridge	1.64	1.50	2.87	2.25	.77	.....	11.11	8.00	23.07	17.85
23823	Potash Phosphate	Union Bridge	.....	.....	5.24	5.00	.47	.....	8.19	8.00	12.70	12 20
23824	Union Bridge Favorite	Union Bridge	1.28	1.00	2.95	2.00	.92	.....	11.31	8.00	22.01	15.60
	Farmers' Fertz. & Feed Co., West minster, Md.											
24492	Bone Phosphate No. 1	Westminster	2.54	2.50	3.19	2.50	.62	.....	9.65	9.00	25.18	23.30
24493	Bone Phosphate No. 2	Westminster	1.86	2.00	3.32	3.00	.52	1.00	10.32	9.00	23.35	22.20

24494	Bone Phosphate No. 3	Westminster	1.72	1.50	3.04	3.00	.50	1.00	9.08	8.00	$21.02	$19.00
24181	Carroll Bone Phosphate	New Windsor	.77	.75	2 43	2.00	.80	1.00	8.94	7.00	16.56	13.80
24495	High Grade Phosphate	Westminster	1.96	2.00	4.66	5.00	.40	1.00	11.35	11.00	26.28	26.60
23825	XX Bone Phosphate	New Windsor	1.08	1.00	3.51	3.00	1.00	1.00	9.50	9.00	19.63	18.20
	Farmers' Ground Phos. Rock Co., Mt. Pleasent, Tenn.											
23872	Ground Phosphate Rock	Pearre (E. L. D.)	.....	.....	.....	.....	*26.62	*28.00	.....	.....	.....	.....
	Farmers' & Planters' Co., Salisbury, Md.											
23745	Special Fish Mixture	Salisbury	2.63	2.50	4.31	5 00	.90	.....	10 75	8.00	28.09	24.60
23746	Truckers' Mixture	Salisbury	2.80	3.00	3.79	4.00	.82	.....	10.19	8.00	27.55	25 60
	German Kali Works, Balto., Md.											
23671	Sulphate of Potash	Baltimore	.....	.....	48.76	48.00	.....	.....	.....	.....	.....	.....
	Griffith & Boyd Co., Balto., Md.											
23631	Acid Phosphate	Baltimore	.....	.....	.....	.....	1 02	.....	15.05	14 00	13.75	12 60
23605	Accomac Trucker	Baltimore	4.54	5.00	5 27	5.00	.45	.....	6.85	6.00	31.83	32.20
24355	Ammoniated Bone Phosphate	Baltimore	1 37	2 00	1.77	2.00	1.07	.....	10 07	8 00	19.76	19 60
23879	Double Strength Tobacco Guano	Baltimore	2 93	3 00	4.21	3.00	1.42	.....	7 32	8.00	25.36	24 60
24416	Farmers' Improved Phosphate	Baltimore	1.01	1.00	2.33	2.00	2.62	.....	7.04	7.00	15.87	14.40
23761	Farmers' Potato Manure	Baltimore	1.28	1.00	6.71	9.00	1.57	.....	9 55	8.00	23.92	22 60
23606	Fish, Bone and Potash	Baltimore	2.12	1.75	3.11	3.00	1 40	.....	8.82	7.00	22.73	18 40
24417	Fruit and Root Compound	Baltimore	2.41	2.50	6 24	6.00	3.10	.....	7.15	7 00	25.70	24 40
24307	Gem Phosphate	Baltimore	.....	.....	3.17	3.00	2.10	.....	7 38	6.00	10.23	8.40
23698	Gilt Edge Crop Guano	Baltimore	2.01	2.00	10.02	10.00	1.32	.....	7 92	8.00	28.09	27.60
23720	Guano 7%	Baltimore	6.43	7.00	5.41	5.00	.95	.....	6.21	5.00	38 96	39 00
24306	Harvest Queen Phosphate	Baltimore	1.04	1.00	3 97	3.00	.97	.....	9 15	9.00	19.50	17.80
24345	High Grade Acid Phosphate	Baltimore	.....	.....	.....	.....	1.10	.....	14.33	14.00	13 12	12.60
23632	High Grade Acid Phosphate	Baltimore	.....	.....	.....	.....	.60	.....	16.30	16.00	14 79	14.40
23887	Monarch Brand	Baltimore	.....	.....	3.44	5.00	1.85	.....	8.18	8.00	11.17	12.20
23797	Nitro Crop Feeder	Rockville	7.56	9.00	3.74	2 50	.....	.....	.....	.....	33.98	38 50
23616	Peerless Fertilizer	Baltimore	.56	.35	2.05	2 00	1.72	.....	9.58	8 00	16.48	13.00
23658	Potato Guano 7%	Baltimore	6.33	7.00	5 25	5 00	.77	.....	7.14	6.00	39.45	40.20
23775	Potato Manure	Rising Sun	.....	.....	4.37	5.00	1.37	.....	11.54	10.00	15 03	14.00
24461	Pure Fine Ground Bone Meal	Baltimore	4 23	4.00	.....	.....	*16 20	*22.00	.....	.....	26.64	29 20
23790	Royal Potash Guano	Snow Hill	.96	1.00	3.87	4.00	1.75	.....	8.77	8.00	18.93	17.60
23791	Soluble Mixture 12 & 5	Snow Hill	.....	.....	5.33	5.00	1.62	.....	12.05	12 00	16 50	15.80
24337	Special Grain Grower	Baltimore	.....	.....	2.45	2.00	1.82	.....	10.44	10 00	12.21	11.00
23762	Special Guano	Baltimore	2 01	2.00	4 84	5.00	1.02	.....	8.50	8.00	23.49	22.60
23699	Special Potato Mixture	Baltimore	1.21	1.00	4.86	5.00	.97	.....	8.48	8.00	20.27	18.60

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Griffith & Boyd Co., Balto., Md.											
23700	Spring Crop Grower	Baltimore	2 10	2.00	4.35	4.50	1.49	.....	8.36	6.50	$23.38	$20.30
23662	Stable Manure Substitute	Baltimore	3.33	3.50	4 84	4.00	1.00	.....	6.87	5.00	26.80	24.00
23623	Valley Fertilizer	Baltimore	.70	.50	3.09	3.00	1.65	.....	8.50	8.00	16.75	14 60
23701	Vegetable Bone	Baltimore	3.17	3.00	6.37	7.00	1.17	.....	7.64	8.00	28.69	28.60
23810	XX Potash Manure	Sparks	.....	.....	3.85	5.00	2 20	.....	11.87	10.00	14.97	14.00
	Griffith & Turner Co., Balto., Md.											
23846	Ammoniated Alkaline Plant Food	Baltimore	.96	1.00	2.28	1.50	2.65	1.00	7.68	6.50	16 40	13.70
24332	Ammo'd Butchers' Bone Phos.	Baltimore	.94	1.25	2 54	1.50	2.15	1.00	8.12	9.00	16.90	17.70
24392	Animal Bone Phosphate	Baltimore	1 31	2.50	2.61	1.50	1.32	.....	8.51	10.00	18.59	23.50
24393	High Grade Acid Phosphate	Baltimore	.....	.....	.....	.....	1 95	.....	14.25	14.00	13.22	12.60
23709	Soft Ground Bone	Baltimore	2.13	2.00	.....	.....	*20.63	*22.90	.....	.....	20 90	21.74
24394	Special Mixture	Baltimore	.63	.50	2.26	2 00	2.47	1.00	8 54	8.00	16 02	14.00
23717	Special Potato Mixture	Baltimore	1.28	1.00	5.15	5.00	1.10	.....	8.18	8.00	20.53	18.60
	Hampstead Fertilizer Co., Hampstead, Md.											
24496	Grain and Grass Grower	Hampstead	1.69	2.00	2.23	2.00	1.37	.....	8.62	8.00	19.88	19.60
24497	Honesty	Hampstead	1.09	1.00	2.57	2.00	1.07	.....	8.02	8.00	16 98	15.60
24498	Standard	Hampstead	1.31	1.25	3.05	3.00	1.35	.....	9.15	10.00	19.81	20.00
	S. M. Hess & Bro., Philadelphia, Pa.											
24184	Ammoniated Super-Phosphate	Baltimore	2.07	2.00	2.04	2.00	1.12	.....	8.49	8.00	20.96	19.60
24033	Farmers' Cereal King	Baltimore	.....	.....	3.13	5.00	4.12	.....	12.46	12.00	15.16	15.80
23980	Fish and Potash Manure	Baltimore	2.03	2.00	3.19	3.00	1.12	.....	8.44	8.00	21.89	20.60

* Total Phosphoric Acid.

24026	High Grade Trucking Manure...	Baltimore	7 13	7.00	5.41	5 00	.92	.....	7.43	8.00	$43.22	$42.60
23981	Keystone Phosphate.....	Baltimore	1 01	1.00	1 07	1.00	.67	.....	9.21	8.00	16.43	14.60
23940	Peerless Phosphate.....	Baltimore	.....	.....	5.52	5.00	.27	.....	12.58	12 00	16.89	15.80
23982	Potato and Truck Manure.....	Baltimore	3 26	3.00	6.36	6.00	1.04	.....	9.03	8.00	30.66	27.60
24045	Soluble Phosphate.....	Baltimore	.....	.....	.....	....	50	.....	14.92	14 00	13.53	12.60
24333	Soluble Phosphate and Potash...	Baltimore	.....	.....	2.31	2 00	.67	.....	10.12	10 00	11.55	11.00
23983	Special Compound	Baltimore	1.04	1.00	4 48	4.00	.65	.....	8 83	8.00	19.50	17.60
23294	Special Corn Manure	Baltimore	1.19	1.00	2.01	2 00	99	.....	8 24	8 00	17 06	15 60
23985	Special Potato Manure.....	Baltimore	4 21	4 00	7.43	7 00	.90	.....	8.19	8.00	34.46	32.60
23999	Superior Potash Mixture.....	Baltimore	2.05	2.00	10.20	10.00	.62	.....	9.18	8.00	29.67	27 60
	Home Fert. and Chemical Co., Balto., Md.											
24372	Boykin's H. G. Acid Phosphate.	Baltimore	.....	.....	.....	.....	1.02	1.00	16 87	14.00	15.38	12.80
24308	Champion Dis. An. Bone with Pot.	Baltimore	3.04	3.00	4.06	4.00	2.20	.....	7.78	8 00	26.44	25.60
24279	Climax Ammoniated Bone	Baltimore	.72	1.00	6 54	4 00	1 57	.....	8.22	9.00	19 91	18.80
24456	Matchless Guano	Baltimore	2.15	2.00	4.19	4.00	1.37	.....	8.21	8.00	23.19	21.60
24414	Riosa Tobacco Compound.....	Baltimore	1.96	3 00	2 73	3.00	2.22	.....	9.69	8.00	23.09	24.60
24309	Special Tomato Compound.....	Baltimore	2 82	3.00	5.88	5.00	1.57	.....	10.02	9 00	29.81	27 80
24346	Universal Compound.....	Baltimore	.....	.....	3.52	3.00	.60	.....	5 20	6.00	8 32	8.40
24111	Yancey's Formula.....	Baltimore	2 93	3 00	2 63	2.00	1 45	.....	9 02	8.00	25 75	23.60
	W. H. Hood, Mt. Airy, Md.											
24425	Special Mixture.....	Mt. Airy.....	1.02	1.00	1 83	2.00	2 85	.....	11.15	9.00	20.43	16.80
	Horsey, Roe & Co., Greensboro, Md.											
24086	One, Eight and Four.....	Greensboro.....	1.31	1.00	4.82	4.00	1.02	1.75	8.37	8 00	20.51	18.30
24465	Rock and Potash	Greensboro.....	.....	.....	4 32	5.00	.15	.....	11.90	12 00	15.06	15.80
24087	Special Pea Fertilizer.....	Greensboro.....	3.29	3.50	5.96	5.00	.62	2.00	8 13	7 00	29.13	28.20
24088	Special Potato Fertilizer.....	Greensboro.....	5 73	5.00	5.17	5 00	.87	2 50	7.87	7 00	37.88	34.40
	Hubbard Fert. Co., Balto., Md.											
23951	Alkaline 12 & 5.....	Baltimore	.....	.....	4.35	5.00	1.87	.....	12 27	12.00	15.76	15.80
24405	Alkaline 12 & 3.....	Baltimore	.....	.....	4.53	3.00	2.12	.....	12.32	12.00	16.04	13.80
24353	B. & P. 10 & 2.....	Baltimore	.....	.....	2.48	2.00	1.92	.....	11.12	10 00	12.87	11.00
24056	Climax Phosphate	Baltimore	1.74	1.00	5 04	4.00	1 17	1.50	7.98	7.00	22.05	17.00
24228	Columbia Gem.....	Ellicott City.....	58	50	2.91	2 00	1.50	2.00	8.03	8 00	15.47	14.40
24057	Farmers' I. X. L.	Baltimore	2 05	2 00	2.64	2 00	1.57	2.00	8.77	8.00	21.99	20.40
23952	Jersey Trucker	Baltimore	2 07	2.00	10.34	10.00	1 12	.....	8.67	8.00	29.47	27 60
24068	Jewel Phosphate.....	Baltimore	1 50	1.25	6 01	5.00	1.05	.....	8.83	8.00	23.03	19 60
24075	New Process Top Dresser.....	Baltimore	9.18	9.16	5 86	3 50	.....	.....	.....	....	33.40	30 98
24310	Oriental Phosphate.....	Baltimore	1.33	1.00	2.54	2.00	.97	.....	8.98	8.00	19 03	15.60

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Hubbard Fertilizer Co., Balto., Md.											
23953	Phosphate 14%	Baltimore	.....	.....	.....	.....	2.40	.....	14.37	14.00	$13.41	$12.60
24349	Phosphate 16%	Baltimore	.....	.....	.....	.....	.65	2 00	15.59	16.00	14.16	14.80
24011	Royal Ensign	Baltimore	3.04	3 00	4.59	4.00	1.10	.....	8.10	8.00	26.91	25.60
23954	Royal Seal 5%	Baltimore	4.83	5.00	6.21	6.00	.90	.....	6.37	6.00	33 53	33.20
24004	Royal Seal 7%	Baltimore	7.24	7.00	5.30	5.00	.50	.....	6.10	6.00	41.78	40.20
24058	Special Mixture	Baltimore	.....	.....	4.29	4.00	.72	2 00	11.60	10 00	14.87	13.40
23967	Standard Phosphate	Baltimore	1.96	2.00	4 22	3.00	2.17	.....	7.82	8.00	22.31	20.60
24148	Warranted Raw Bone	Poolesville	4.76	4.50	.....	.....	*21.38	*22.00	.....	.....	31.87	31.20
	M. P. Hubbard & Co., Balto., Md.											
23914	Bermuda Guano 7%	Baltimore	7.10	7.00	5.21	5.00	.97	.....	7.40	6.00	42.88	40.20
24027	Celebrated Phosphate	Baltimore	2.35	2.00	2 51	2.00	.47	.....	8 14	8 00	21 87	19.60
24321	Excelsior Super-Phosphate	Baltimore	1.60	1.25	2.44	2.00	.90	1.50	9.54	8.00	20.65	17.20
23924	Farmers' Acme	Baltimore	1.47	1.00	5 08	4.00	.62	1.00	9.31	8 00	22.38	18.00
24112	Fish, Bone and Potash	Baltimore	.96	.25	1.65	1.00	.45	1.00	6.58	6 00	13.57	9 60
23986	Harvest King Phosphate	Baltimore	1.42	1.00	4.87	3.00	.47	1.00	9.02	9.00	21.56	18.20
24342	Havana Special	Baltimore	3 46	3.00	2.83	3.00	1.57	.....	9.24	8.00	28 39	24 60
24185	Jersey Special	Baltimore	1.81	2.00	10.73	10.00	.57	1.00	8 95	7.00	28 94	26 80
24229	Maloney's Spec. Wh. & Grass Mix.	Ellicott City	1.95	2.00	5.54	5.00	.50	1.50	9.18	9.00	24.56	24.40
23941	Maryland Spec. Veg. Grower	Baltimore	4 15	5.00	5.96	5.00	.80	.....	8 83	7.00	33.48	33.40
24186	Old Economy	Baltimore	.80	.50	2.37	2.00	.42	1.00	9.94	8.00	17.67	14.00
24347	Soluble Rock and Potash	Baltimore	.....	.....	2.16	2.00	.40	.....	11 30	10.00	12.41	11.00
24280	Soluble S. C. Phosphate	Baltimore	.....	.....	.....	.....	1.17	1.00	14.17	14.00	12.98	12.80

23968	Special Potato & Tomato Fert..	Baltimore	3.07	2.00	4.39	5.00	.97	.....	9.09	7.00	27.97	21.40
23905	Spec. for Tobacco, Cotton & Corn	Baltimore	3.33	3.00	3.65	3 00	.75	1.50	8 78	8.00	27.81	25.20
24397	XXXX Rock and Potash Mix....	Baltimore	.....	.....	4.03	5.00	.85	1.50	13.30	12 00	16.17	16.10
	Houston Darbu & Co., Seaford, D	**el.**										
23859	Phosphate 7%.....	or. Co. (S. T. W.)	6.95	7.00	5.44	5 00	.32	.....	6.41	6.00	41 06	40.20
	Lister's Agricultural Chemical Wo	**rks, Newark, N. J.**										
24286	Atlas Brand Alkaline Fertilizer.	Baltimore	.....	.....	5.02	5.00	.82	.....	12.31	12.00	16.26	15.80
24285	Bone Meal.....	Baltimore	3.48	3.25	.....	.....	*26.35	*22.88	.....	.....	29 73	26.73
23942	Buyers' Choice Acid Phosphate.	Baltimore	.....	.....	.....	.....	.75	.....	14.76	14.00	13 43	12 60
24028	Cel. Gr. Bone & Tank, Acidulated	Baltimore	3.04	3.25	.....	.....	*12.02	*12.00	.....	.....	19.37	20 20
24029	Corn and Potato Fertilizer.....	Baltimore	2.10	2.00	3.21	3.00	1.15	.....	8.65	8.00	22.45	20.60
23987	Crescent Complete Manure	Baltimore	2.06	2.00	5.10	5.00	1.05	.....	8.53	8.00	24.00	22.60
24046	Dissolved Phosphate and Potash.	Baltimore	.....	.....	2.22	2.00	.10	.....	11.12	10.00	12.25	11.00
24281	"G" Brand	Baltimore	1.06	1.00	4.25	4.00	.87	.....	8.18	8.00	18 66	17.60
24269	"G" Brand	Laurel	1.03	1.00	4 16	4.00	.90	.....	8.76	8.00	19 15	17.60
24030	Golden Sheaf.....	Baltimore	.73	.50	2.19	2 00	.52	.....	9.55	8.00	16.78	13.60
23943	Harvest Queen Phosphate	Baltimore	1.60	1.50	2 09	2 00	1.25	.....	9.61	9 00	20.52	18.80
24348	Potash Mixture.....	Baltimore	.....	.....	4.82	5.00	.47	.....	8.63	8.00	12 68	12 20
23915	Potato Manure	Baltimore	3.94	4.00	8 05	7.00	1.00	.....	9 79	8.00	35.96	32.60
24462	Special Crop Producer.....	Baltimore	1.08	1.00	1.22	1 00	.90	.....	8 68	7 00	16 32	13.40
23935	Special Fertilizer 10%	Baltimore	2.04	2.00	11.03	10.00	1.20	.....	8.87	8.00	30 31	27.60
24151	Special Tomato.....	Gittings.....	2.20	2.00	2 97	2 00	1.50	.....	9 39	8.00	23 64	19.60
23944	Stand. Pure Super-Phos. of Lime	Baltimore	2.87	3.00	2.72	2 00	.95	.....	9.68	9 00	26 20	24.80
24338	Tobacco Grower.....	Baltimore	1.37	1.25	3.14	3.00	1.15	.....	9.40	8.00	20.36	17.60
	McComas Bros., Belair, Md.											
24162	High Grade Fertilizer	Bel Air.....	1.62	1 50	4.65	5.00	1.87	.....	6.74	6 00	19.97	18.20
	D. B. Martin Co., Phila., Pa.											
23936	Acid Phosphate.....	Baltimore	.....	.....	.....	.....	.17	.....	14 10	14 00	12.72	12.60
24022	Acid Phosphate.....	Stockton	.....	.....	.....	.....	.10	.....	16.13	16.00	14.54	14.40
24256	Bone, Blood and Potash.....	Baltimore	4 74	5.00	6.89	7.00	.65	.....	8.15	8.00	35.89	36.60
24012	Blood, Tankage and Potash.....	Baltimore	4.32	5.00	8.09	7.00	.77	.....	6.07	6.00	32 96	34.20
24113	Bull Head Fertilizer.....	Baltimore	2 18	3.00	3.07	3.00	1.30	...	7.64	8 00	21 48	24 60
24047	Claremont Vegetable Grower...	Baltimore	2 90	3.00	5.46	5 00	.65	.....	8.61	7.00	27.65	25.40
24059	Corn and Cereal Special	Baltimore	2.08	2.00	2.46	2.00	.92	.....	8.67	8.00	21.55	19.60
24144	Crop Producer.....	Leslie	1 27	1.25	.....	.....	2.72	.....	10 08	10.00	18 27	17 00
24103	Dissolved Organic Compound ...	Baltimore	1.28	1.25	2.35	2.00	1.52	.....	7.63	9 00	17.24	17 80
24013	Early Truck and Veg. Grower..	Baltimore	3.89	4.00	8.02	8.00	1.00	.....	7.02	6.00	32.40	31.20

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	D. B. Martin Co., Phila., Pa.											
23937	Gilt Edge Potato Manure	Baltimore	2 71	3.00	10.02	10.00	1.10	.....	7 20	7.00	$29.94	$30.40
24014	Guano 7%	Baltimore	6 86	7 00	5.63	5.00	1.27	.....	6.27	6 00	41 10	40.20
23925	One, Eight and Four	Baltimore	1.18	1.00	4 52	4.00	.87	.....	8.33	8.00	19 59	17.60
23865	One, Eight and Four	Mayfield (H. C.)	1 02	1.00	4.08	4.00	.77	.....	8.60	8 00	18.79	17.60
24031	Potash and Soluble Phosphate	Baltimore	.....	.....	6.03	5.00	.15	.....	12.20	12.00	17.04	15.80
23947	Prize Potato	Baltimore	2.02	2.00	10.30	10.00	1.57	.....	8.54	8 00	29.26	27.60
24104	Pure Dissolved Animal Matter	Baltimore	2.20	2 00	.....	.....	1.82	.....	12 81	12.30	24 90	22.76
24149	Pure Ground Bone	Silver Spring	2.13	2.00	.....	.....	*22 92	*22.90	.....	.....	22.27	21.74
24230	Pure Raw Bone Meal	Ellicott City	4 59	4.50	.....	.....	*20.05	*21.00	.....	.....	30.39	30.60
23926	Special Compound	Baltimore	1.74	2.00	5 75	5.00	1.02	.....	8.10	8.00	22.84	22.60
23974	Special Potato Manure	Baltimore	1.13	1.00	5.14	5.00	.70	.....	8 47	8.00	20 10	18.60
24231	Standard Bone Phosphate	Ellicott City	1.43	2.00	3 36	3 00	4 35	.....	9 42	9 00	22.12	21 80
23927	Sure Grower	Baltimore	1.08	1.00	1.36	1 00	1 12	.....	8 57	8.00	16 41	14.60
	F. Maynard Est. Balto., Md.											
23916	High Grade Truckers' Pride	Baltimore	5 38	4 80	2.91	2.50	1 55	.....	7.46	6 00	34.00	28.90
	F. Mehring, Keymar, Md.											
24177	Acid Phosphate	Keymar	.....	.....	.....	.....	.05	1 00	17.45	16.00	15.72	14.60
24178	Dissolved Raw Bone	Keymar	2.27	2.00	.....	.....	1.25	1.00	15.10	14 00	27 70	25.20
	Miller Fertilizer Co., Balto., Md.											
23906	Acid Phosphate	Baltimore	.....	.....	.....	.....	.20	.....	17.04	16.00	15.38	14.40
24114	Ammoniated Dissolved Bone	Baltimore	2.05	2.00	2 39	2.00	.70	.50	8.47	8.00	21.03	19.80

24089	Club Brand	Chestertown	.72	.50	2.47	2.00	.45	.....	8.35	8.00	15.55	13.60
23969	Dissolved Raw Bone	Baltimore	2.52	2.50	.....	.....	3.00	.50	11.78	11.00	25.42	23.40
24264	Farmers' Profit	Baltimore	1.21	1.00	4.91	5 00	.50	50	8.87	8.00	20.59	18.80
23908	Ground Bone	Baltimore	4.21	4.50	.....	.....	*20 77	*21.00	.....	.....	29.30	30.60
24076	Harvest Queen	Baltimore	1 43	1.25	3.39	2 75	.47	.50	9.40	9.00	20.58	18.75
24077	Hustler Phosphate	Baltimore	1.35	1.00	1.32	1.00	.97	.50	8.79	8.00	17.66	14.80
24406	McAfee's Guano 10%	Baltimore	9.76	10.00	2.60	2.50	.72	.....	5 32	4.50	48 31	47.90
24036	McAfee's Stand. Am. Bone Phos.	Baltimore	2 10	2.00	4.34	3.00	.50	.....	8.51	8.00	23.15	20.60
24078	McAfee's Top Dressing	Baltimore	5.43	5.00	2.83	2.50	.55	.....	4 12	4.00	29.71	27.30
24037	McAfee's Truckers' Favorite	Baltimore	3.77	3.75	4.76	2 50	1.75	.....	9.22	9 00	31.60	28.30
24257	M. B. S	Baltimore	1 09	1.00	3 26	3.00	.30	.50	7.81	7.00	17.11	15.60
24129	Pimlico	Hagerstown	2.18	2.00	9.89	10.00	.47	.50	8.66	8.00	29.19	27.80
24268	Potato and Vegetable Grower	Baltimore	2 05	2 00	4.20	4.00	.40	.50	8.97	8.00	23.32	21.80
23907	Potato and Veg. Grower No. 1	Baltimore	4.23	4.50	6.41	7.00	.40	.50	8.64	8.00	33 86	34.80
23871	S. C. Rock	Alesia (E. J. R.)	.....	.....	.....	.....	.20	2.00	16.12	14 00	14.55	13.00
24232	Special Potato Fertilizer	Ellicott City	1 08	1.00	5.03	5.00	.12	.50	7.45	7 00	18.34	17.60
24460	Special Tobacco Grower	Baltimore	2.10	2.00	4.75	4.00	.72	.50	8.08	8.00	23 14	21.80
23298	Special Tomato Grower	Baltimore	2.13	2.00	2.20	2.00	.52	.50	9.03	8.00	21.77	19.80
24079	Standard Phosphate	Baltimore	3.29	3.00	3.72	3.00	.85	.50	8.22	8.00	27 08	24.80
23290	W. G. Phosphate	.....	.78	.50	1.21	1.00	.45	.50	7.09	7.00	13.02	11.60
	J. B. Nichols & Son, Balto., Md.											
23917	Farmers' Friend Fertilizer	Baltimore	3.87	4.00	4.90	4.00	.95	.....	8.55	7.00	31.02	28.40
	Nitrate Agenicies Co., New York, N. Y.											
24270	High Grade Acid Phosphate	Baltimore	.....	.....	.....	.....	1.05	1.00	15.74	14.00	14.38	12.80
24271	Nitrate of Soda	Baltimore	18.56	18.00	.....	.....	.....	.....	.....	.....	.....	.....
	G. Ober & Sons Co., Balto., Md.											
24322	Avondale Ammo. Dis. Bone	Baltimore	2.47	2.00	2.09	2.00	1.42	.....	8 72	8.00	23.00	19.60
23910	Complete Vegetable Fertilizer	Baltimore	5 51	5.00	5.93	5.00	.65	.....	7.30	5.00	36.99	33.40
23928	Dissolved Bone Phosphate	Baltimore	.....	.....	.....	.....	.17	.....	15.97	14 00	14.40	12.60
24277	Dis. Bone Phos. and Potash	Baltimore	.....	.....	2.82	2.00	.62	.....	10.75	10 00	12 62	11.00
23929	Farmers' Mixture	Baltimore	1.28	1.00	2 30	2.00	1 62	.....	9.02	9.00	18.89	16.80
23945	Farmers' Stand. Ammo. Phos	Baltimore	2.06	2.00	2.25	2.00	.95	.....	9.49	9.00	22.26	20.80
23911	Fish, Bone and Potash Mixture	Baltimore	3.48	3.25	4.02	3 50	.62	.....	9 26	8.00	29.30	26.10
24060	Fish and Potash Fertilizer	Baltimore	2.01	2.00	2.42	2.00	.67	.....	10 31	9.00	23.10	20.80
23946	High Grade Acid Phosphate	Baltimore	.....	.....	.....	.....	.20	.....	16.59	16.00	14.97	14.40
23868	High Grade Acid Phosphate	Denton (E. M. N.)	.....	.....	.....	.....	.10	.....	16.83	16.00	15.17	14.40
24287	Independent Ammo. Super-Phos.	Baltimore	1 08	1.00	1.26	1 00	.65	.....	9.28	8.00	16 98	14.60

*Total Phosphoric Acid.

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							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	G. Ober & Sons Co., Balto., Md.											
23299	Overland Special Mixture	Baltimore	2.34	2.00	11 08	10.00	0.67	.....	8.42	8.00	$30.81	$27.60
24061	Ox Head Fertilizer	Baltimore	.97	.50	2.73	2 00	.10	.....	8.24	8.00	16.54	13.60
24311	Pure Raw Bone Meal	Baltimore	4.59	4.50	.....	.....	*21.36	*21.00	.....	.....	31.13	30.60
23869	Pure Raw Bone Meal	Denton (E. M. N.)	4.69	4.50	.....	.....	*21.09	*21.00	.....	.....	31.41	30.60
24282	Sol. Amm'd Super-Phos. of Lime	Baltimore	2.53	2 00	2.28	2.00	1.60	.....	9 06	8.00	23.91	19.60
24323	Special Compound	Baltimore	3.38	3.00	3.01	3.00	1.25	.....	8.78	8.00	27.37	24.60
23930	Special Plant Food	Baltimore	2.01	2.00	5.18	5.00	.72	.....	10.07	9.00	25.59	23.80
24062	Stag Guano	Baltimore	1.60	1.00	4 42	4.00	.45	.....	9.58	8.00	22.50	17.60
24301	Standard Potash Compound	Baltimore	.....	.....	5.17	5 00	.29	.....	12.62	12.00	16.59	15.80
23963	Standard Southern Veg. Fert	Baltimore	7.58	7.00	5 62	5 00	.65	.....	6.95	6.00	44.54	40.20
	Patapsco Guano Co., Balto., Md.											
23920	Alkaline Plant Food	Baltimore	.....	.....	5.68	5 00	.27	.....	9.50	8.00	14.28	12.20
23991	Blood, Bone and Potash	Baltimore	.52	.50	2.19	2.00	.57	.....	9.01	8.00	15.31	13.60
24048	Columbia Guano	Baltimore	3.04	3.00	5 94	5.00	.92	.....	9.36	8.00	29.70	26.60
24139	Coon Brand Guano	Snow Hill	1.01	1.00	3.21	3 00	.70	.....	10.02	9.00	19.55	17.80
24038	Corn and Tomato Fertilizer	Baltimore	1.76	1.50	2.32	2.00	1.10	.....	9.58	8.00	21.30	17.60
23918	Early Trucker	Baltimore	5.09	5.00	5.42	5 00	1.17	.....	7.71	7.00	35.50	33.40
23992	Enterprise Phosphate	Baltimore	.....	.....	5.11	5.00	.37	.....	11.14	10.00	15.21	14.00
24312	Fish Guano	Baltimore	2.22	2.00	2.43	2.00	1.42	.....	6.50	6.00	19.68	17.20
24152	Grain and Grass Producer	Cockeysville	1.01	1.00	4.03	4.00	.72	.....	8.56	8.00	18.63	17.60
24395	Grange Mixture	Baltimore	2.01	2.00	2.26	2.00	1.32	.....	8.15	8.00	20.61	19.60
23993	Peninsula Potash Mixture	Baltimore	.....	.....	5.24	5.00	.32	.....	12.22	12.00	16.30	15.80

24032	Potato Guano	Baltimore	4.68	5.00	7.90	7.00	1.27	.....	7.61	6.00	36.26	34.20
24049	Potato Manure	Baltimore	1.86	2.00	10.49	10.00	.50	.....	6.47	5.00	25.89	24.00
24153	Pure Dis. S. C. Phosphate	Cockeysville	.....	.....	.....	.....	.62	.....	14.83	14.00	13.47	12.60
24154	Pure Ground Raw Bone	Cockeysville	4.61	4.50	.....	.....	*21.70	*21.00	.....	.....	31.46	30.60
24258	Sea Gull Guano	Baltimore	1.18	1.00	1.27	1.00	1.05	.....	8.51	8.00	16.62	14.60
23994	Soluble Phosphate and Potash	Baltimore	.....	.....	2.20	2.00	.32	.....	10.79	10.00	11.97	11.00
	Peerless Fertilizer Co., Chestertown, Md.											
24052	American Standard Fertilizer	Baltimore	3.91	4.00	9.42	7.00	.75	.....	7.46	6.00	34.31	30.20
24050	Corn Fertilizer	Baltimore	.67	.75	4.19	3.00	.40	.....	7.70	8.00	16.27	15.60
24233	Ford's Ideal	Baltimore	.90	.50	5.28	5.00	1.05	.....	8.59	8.00	19.61	16.60
24288	Imperial Compound	Baltimore	1.14	1.00	4.67	4.00	1.10	.....	8.40	8.00	19.75	17.60
24164	Peerless Fertilizer	Aberdeen	1.91	2.00	6.60	5.00	.32	.....	6.88	7.00	22.63	21.40
24051	Peerless Fertilizer	Baltimore	2.22	2.00	5.23	5.00	.45	.....	8.36	7.00	24.32	21.40
24053	Sweet Potato Manure	Baltimore	1.81	2.00	11.34	10.00	.40	.....	6.31	6.00	26.31	25.20
	Piedmont-Mt. Airy Guano Co., Baltimore, Md.											
24283	Levering's Ammoniated Bone	Baltimore	1.14	1.00	3.59	3.00	.42	.....	6.80	9.00	16.48	17.80
24188	Levering's Excelsior	Baltimore	1.09	1.00	2.05	1.00	.25	.....	8.92	8.00	17.21	14.60
24189	Levering's Harvest Queen	Baltimore	1.06	1.00	2.35	2.00	.25	.....	8.58	8.00	16.99	15.60
24145	Levering's Standard	Leslie	1.83	2.00	3.43	3.00	.20	.....	9.08	8.00	21.73	20.60
24140	Mt. Airy Garden and Truck Fert.	Snow Hill	2.59	3.00	4.08	4.00	.40	.....	9.48	8.00	25.98	25.60
23900	Peruvian Guano 10%	Baltimore	9.44	10.00	.....	.....	.....	.....	.....	.....	28.32	30.00
24253	Piedmont Acid Phosphate 14%	Baltimore	.....	.....	.....	.....	.27	.....	14.44	14.00	13.05	12.60
24289	Piedmont Acid Phosphate 16%	Baltimore	.....	.....	.....	.....	.25	.....	14.33	16.00	12.95	14.40
24190	Piedmont Bone Meal	Baltimore	5.60	4.00	.....	.....	*22.68	f40.00	.....	.....	36.01	40.00
24063	Piedmont Dis. Animal Bone	Baltimore	2.24	2.50	.....	.....	.15	.....	11.07	10 00	22.30	22.00
23931	Piedmont Early Trucker	Baltimore	4.74	5.00	6.01	5.00	.47	...	7.39	6.00	34.03	32.20
24278	Piedmont Economy	Baltimore	.38	.25	2.48	2.00	.37	.....	11.15	10.00	17.53	15.00
23909	Pdmt. Excel. Peruv. Guano No. 1	Baltimore	5.73	5.00	5.07	3.00	.35	.....	7.21	8.00	36.78	32.60
24115	Piedmont Farmers' Favorite	Baltimore	1.08	1.00	4.08	4.00	.17	.....	8.76	8.00	18.98	17.60
23932	Piedmont Fish Guano	Baltimore	1.54	2.00	2.33	2.00	.45	.....	10.13	8.00	20.83	19.60
24340	Piedmont Gem Fertilizer.	Baltimore	.....	.....	2.57	3.00	.15	.....	6.58	6.00	8.52	8.40
24384	Pdmt. Gold Leaf Tobacco Comp.	Baltimore	2.29	2.25	3.14	1.50	1.07	.....	8.67	8.50	23.13	20.70
24375	Piedmont Guano for Tobacco	Baltimore	2.06	2.50	4.25	3.00	1.10	.....	8.62	8.00	23.27	22.60
24259	Pdmt. H. G. Amm'd Bone & Pot.	Baltimore	2.82	3.00	3.26	3.00	.27	.....	9.01	8.00	25.46	24.60
24080	Piedmont Insula Guano	Baltimore	1.02	.50	2.81	2.00	.35	.....	8.93	7.00	17.75	12.40
24005	Piedmont Perfection Guano	Baltimore	2.01	2.00	5.43	5.00	.40	.....	9.48	8.00	25.01	22.60
24324	Piedmont Plow Brand	Baltimore	1.95	2.00	2.28	2.00	.42	.....	9.21	8.00	21.30	19.60
24006	Piedmont Potato Producer	Baltimore	3.71	3.00	6.38	6.00	.37	.....	6.87	5.00	28.91	24.00

*Total Phosphoric Acid.

f "Bone Phosphate"

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Piedmont-Mt. Airy Guano Co., Ba	**lto., Md.**										
24245	Piedmont Pure Raw Bone Mix..	Baltimore	1.28	1.25	2.65	2.00	1.32	.....	8.13	8.00	$18.06	$16.60
24254	Pdmt. Spec. Farmers' Tob. Guano	Baltimore	3.04	3.00	3.79	4.00	.42	.....	9.37	8.40	27.36	26.08
23901	Pdmt. Spec. for Tobacco Beds ..	Baltimore	7.12	7.00	3.11	2.00	1.20	.....	5.64	5.00	38.84	36.00
24007	Pdmt. Spec. Truck Fertilizer ...	Baltimore	6.71	7.00	5.30	5.00	.17	...	7.39	6.00	41.08	40.20
23858	Pdmt. Spec. Truck Fertilizer ...	Dor. Co. (S. T. W.)	6.71	7.00	5.82	5.00	.72	.....	7.07	6.00	41.43	40.20
24426	Pdmt. Standard Dis. Bone Phos.	Mt. Airy	1.01	1.00	2.47	2.00	.20	2.00	10.91	10.00	19.68	18.80
24191	Piedmont Success.....	Baltimore	.27	.25	4.80	5.00	.08	.....	9.02	9.00	16.73	16.80
24260	Piedmont Wheat Compound.....	Baltimore	.....	.....	5.01	5.00	.25	.....	13.12	12.00	16.87	15.80
	Plant & Land Food Co., Balto., Md.											
23902	U-Tree-t-Me Plant Food.....	Baltimore	6.33	5.00	4.82	4.00	.27	1.00	8.21	5.00	40.10	30.40
23903	U-Tree-t-Me Plant Food.....	Baltimore	2.33	2.00	8.51	8.00	.27	1.00	10.57	7.00	32.62	24.80
	Pollock Fertilizer Co., Balto., Md.											
23919	Accomac Trucker.....	Baltimore	5.17	5.00	5.67	5.00	1.05	.....	7.67	7.00	35.97	33.40
24246	Ammoniated Super-Phosphate ..	Baltimore	2.13	2.00	1.86	2.00	1.07	.....	8.52	8.00	21.03	19.60
24165	Crop Invigorator.....	Bel Air.....	1.16	1.00	4.21	4.00	.77	.....	8.62	8.00	19.50	17.60
24116	Dissolved Phosphate and Potash.	Baltimore	.....	.....	4.07	4.00	.70	.....	10.09	10.00	13.29	13.00
24000	Dissolved S. C. Phosphate.....	Baltimore	....	.....	.....	.....	.60	.....	14.74	14.00	13.39	12.60
24192	Early Truck Guano.....	Baltimore	7.49	7.00	5.75	5.00	1.52	.....	6.61	6.00	44.25	40.20
24069	H. G. Cabbage & Onion Grower.	Baltimore	3.65	4.00	8.53	8.00	1.37	.....	8.54	7.00	33.93	32.40
24247	Owl Brand Guano	Baltimore	.75	.50	1.67	1.50	.90	.....	7.85	7.00	14.45	11.90
24313	Pure Raw Bone	Baltimore	4.35	4.50	.....	.....	*21.14	*21.51	.....	.....	30.08	30.91

24314	Soft Ground Bone	Baltimore	2.75	3.00			*13.80	*13.73			19.28	20.24
23921	Special Guano 10%	Baltimore	8.54	10.00	4.83	5.00	1.57		6.30	5.00	47.18	51.00
24363	Special Potato and Tobacco Fert.	Baltimore	2.12	2.00	3.81	4.00	1.12		8.75	8.00	23.24	21.60
24373	Sun Guano	Baltimore			5.16	6 00	.47		11.44	10.00	15.55	15.00
24193	Superior Corn and Tomato Fert.	Baltimore	1.13	1.00	2.48	2.00	.92		8.28	8.00	17.31	15.60
24070	Victor Brand Phosphate	Baltimore			1.80	1.00	1.00		10.08	9 00	11.07	9.10
	Ramsburg Fertilizer Co., Frederick, Md.											
24427	Alkaline Phosphate	Mt. Airy			2.31	2.00	2.42		12.01	10.00	13 60	11.00
24130	Ammoniated Bone Phosphate	Middletown	1.08	1.00	2.13	2.00	3.07		10.80	10.00	20.64	18.00
24131	Corn and Potato Fertilizer	Middletown	1.11	1.21	4.19	4.00	2.80		9.41	8.00	21.04	18.44
24434	Dissolved Animal Bone	Thurmont	2.05	2.00			4 12		12.41	10.00	24.74	20 00
24428	Excelsior Plant Food	Mt. Airy	1.76	2.00	2.17	2.00	4 75		9.80	9.00	22.37	20.80
24429	Old Virginia Compound	Mt. Airy	1.23	1.21	4.08	4.00	2.72		9.09	8.00	21 00	18.44
24430	Special Rock and Potash	Mt. Airy			4.18	5.00	2.07		11.53	10.00	14.97	14.00
24132	Super-Phosphate	Middletown					1.00		15.16	14 00	13.84	12.60
	Rasin-Monumental Co., Balto., Md.											
23964	Rasin's Acid Phosphate	Baltimore					2.17	1.00	14.38	14 00	13.37	12.80
24081	Rasin's Early Truckers' Spec	Baltimore	4.54	5.00	a5.58	5.00	2.15	1 00	6.12	6 00	33.06	33 60
24119	Rasin's Empire Guano	Germantown	2 05	2.00	2.38	2.00	2.42	1.00	8.86	8 00	22.18	20.00
23988	Rasin's Gold Standard	Baltimore	2.85	3.00	a6.39	6.00	2.60	1.00	6.68	6 00	28.13	26.80
24419	Rasin's H. G. Bone and Potash	Baltimore			4.73	5.00	1.55	1.00	12.33	12.00	16 14	16.00
24095	Rasin's I. X. L.	Pocomoke City	1.11	1.00	3.07	3.00	.77		11.42	9.00	21.52	17.80
23912	Rasin's Irish Potato Special	Baltimore	4.01	4.00	a9.18	8.00	1.72	1.00	7.86	7.00	37.18	34.40
24039	Rasin's Monumental Pot. Manure	Baltimore	2.12	2.00	5.74	7.00	2.05	1.00	5.92	6.00	22.14	22 60
24265	Rasin's National Crop Comp	Baltimore	1.06	1.00	4.11	4.00	2.32	1.00	8.22	8.00	19.14	18 00
24120	Rasin's Pure Raw Bone.	Silver Spring	4.62	4.50			*22.36	*22.50			31.90	31.50
23938	Rasin's Royal Fish, Bone & Pot.	Baltimore	2.05	2.00	3.45	3.00	3.37	1.00	7.87	8.00	22.44	21.00
23995	Rasin's Special Bone and Potash	Baltimore			5.27	5.00	1.35	1.00	10.41	10.00	14.91	14.20
24090	Rasin's Spec. Fish and Pot. Mix.	Greensboro	1.93	2.00	3.45	3.00	2.45		6.86	6.00	20.38	18.20
23955	Rasin's Special Formula	Baltimore			4.45	3.00	.72	1.00	7.36	6.00	11.21	8.60
23956	Rasin's Stand. Tomato Grower	Baltimore	1.02	1.00	a4.75	5.00	1.60	1.00	6.70	7.00	18.46	18.80
23913	Rasin's Truckers' Mixture	Baltimore	6.77	7.00	a5.51	5.00	1.40	1.00	7.51	6.00	43 26	41.60
24234	Rasin's United Grain Grower	Baltimore	1.06	1.00	a2.16	2.00	2.40	1.00	8.04	8 00	17.44	16.40
24272	Rasin's Vegetable Special	Baltimore	1.93	2.00	a10.78	10.00	1.70	1.00	7.77	8.00	30.66	30.00
23996	Rasin's Wheat, Corn & Oats Mix.	Baltimore	.65	.50	2.09	2.00	1.80	1.00	8.23	8.00	15.29	14.00
24327	Rasin's XXX Fertilizer	Baltimore	1.74	2.00	5.03	5.00	1.05	1.00	9.60	8.00	23.93	23 00
24121	William Penn Crop Grower	Silver Spring	1.21	1.00	1.30	1.00	1.80	1.00	8.90	8.00	17.54	15.00

*Total Phosphoric Acid.

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							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Reindollar Co., Taneytown, Md.											
24179	Economy Fertilizer	Taneytown	1.11	1.00	4 02	4.00	.90	.....	9.89	8.00	$20.69	$17.60
24180	Special Compound	Taneytown	.63	.50	2.13	1.00	.72	.....	9.50	8.00	16.34	12.60
	W. E. Robinson & Co., Bel Air, Md.											
24166	Special Mixture	Fallston	2.25	2.00	5.33	5.00	.37	.....	8.25	8.00	24.38	22.60
24141	Tomato and Wheat Fertilizer	Stockton	1.93	2 00	2.45	2.00	.60	.....	9.55	8.00	21.87	19.60
	F. S. Royster Guano Co., Balto, Md.											
23970	Acid Phosphate 14%	Baltimore	.....	.....	.....	.....	.57	1.50	14 85	14.00	13.48	12.80
24034	Ammoniated Potash Compound	Baltimore	1.19	1 00	7.42	7 00	.62	.50	9.82	9.00	24.21	22.00
23971	Arrow Potato Guano	Baltimore	6.60	7.00	5 11	5 00	.40	.50	6 79	6.00	39.82	40.40
24243	Bonanza Potato & Truck Guano	Baltimore	3.04	3.00	6.26	6.00	.67	.50	6.04	6.00	25.94	25.40
24244	Bumper Crop Phosphate	Baltimore	.....	.....	5 04	5.00	.70	.50	9 31	8.00	13.56	12.30
24105	Champion Crop Compound	Baltimore	1.84	2.00	4 29	4.00	1.10	.50	8.08	8.00	21.79	21.80
24467	Gold Seal Pot. & Tobacco Spec.	.....	2.01	2 00	9.78	10 00	.67	.50	8.03	8.00	27.73	27.80
23972	Harvest King Fertilizer	Baltimore	2.24	2.00	3.14	2.00	.55	.50	8.34	8.00	22.33	19.80
24341	High Grade Acid Phos. 16%	Baltimore	.....	.....	.....	.....	.22	.50	16 60	16.00	14.98	14.50
23866	High Grade Acid Phos. 16%	Denton (E. M. N.)	.....	.....	.....	.....	.15	.50	17.34	16.00	15.64	14.50
24453	Imperial Formula	Baltimore	1.06	1 00	4 21	4 00	.82	.50	8.54	8.00	19.03	17.80
23957	Peerless Grain & Grass Grower	Baltimore	.....	.....	2.55	2.00	.57	.50	11.13	10.00	12.68	11.10
24172	Pure Raw Bone Meal	Cardiff	4.85	4.50	.....	.....	*23.64	*21.50	.....	.....	33.58	30.90
23867	Pure Raw Bone Meal	Denton (E. M. N.)	5.10	4.50	.....	.....	*24.18	*21.50	.....	.....	34.91	30.90
24096	Royal Potato Guano	Mattaponi	4.47	5.00	5.13	5.00	1.40	.50	7.10	7.00	32.09	33.60

23973	Special Tomato Guano	Baltimore	2.06	2.00	5.64	5.00	.45	.50	7.42	7.00	22.96	21.60
24195	Superior Potash Mixture	Baltimore			5.32	5.00	.57	.50	12.04	12.00	16.27	15.90
24365	Triumph Fish Guano	Baltimore	2.47	3.00	5.19	5.00	1.12	.50	7.23	7.00	24.20	25.60
24001	Universal Truck Fertilizer	Baltimore	4.03	4.00	6.26	7.00	1.52	.50	8.12	8.00	32.73	32.80
	Scott Fertilizer Co., Elkton, Md.											
24167	Bush River Compound	Aberdeen	4.10	4.00	7.97	7.00	1.62		9.35	7.00	36.24	31.40
24146	Corn and Oats Grower	Childs	.68	.50	2.65	2.00	1.70		8.34	8.00	16.06	13.60
24018	Guano 7%	Stockton	6.72	7.00	5.80	5.00	1.05		7.53	6.00	42.14	40.20
24019	New Jersey Wh. Potato Grower	Stockton	4.11	4.00	9.83	10.00	1.27		8.18	8.00	36.60	35.60
24124	Potato Grower.	Rising Sun	2.08	2.00	9.53	10.00	2.85		8.79	8.00	29.54	27.60
24125	Potato and Truck Special	Rising Sun	2.17	2.00	5.21	5.00	1.27		9.43	8.00	25.72	22.60
24126	Pure Ground Raw Bone.	Rising Sun	4.59	4.00			*22.73	*21.50			32.00	28.90
24020	Sure Growth Compound	Stockton	4.18	4.00	6.61	7.00	1.92		8.90	7.00	34.78	31.40
24127	Sure Growth Super-Phosphate	Rising Sun	2.22	2.00	3.40	3.00	1.05		8.63	8.00	23.06	20.60
24147	Tip Top and Potash.	Childs			2.46	2.00	3.12		10.38	10.00	12.42	11.00
24021	Tip Top Soluble Acid Phosphate.	Stockton					1.00		16.01	14.00	14.61	12.60
	Standard Guano Co., Balto., Md.											
24469	Clutchin's King Cotton Guano	Baltimore	2.92	3.00	3.47	3.00	2.17		8.03	8.00	26.09	24.60
24156	Extra Phosphate	Upperco					.10		16.93	16.00	15.26	14.40
24157	Great Grain Grower	Hydes	1.21	1.00	4.02	4.00	.70		8.07	8.00	18.82	17.60
24158	High Grade Aoid Phosphate	Upperco					.32		14.89	14.00	13.46	12.60
23873	Kainit	Hillsboro (G. L. W.)			13.20	12.00						
24235	Maloney'sSpec. Wht.&GrassMix.	Ellicott City	1.86	2.00	5.67	5.00	.95		9.08	9.00	24.39	23.80
24159	Old Fertility	Hydes	2.12	2.00	3.36	3.00	1.07		7.73	8.00	21.55	20.60
24160	Potato Special	Hydes	2.46	2.00	8.49	8.00	.67		8.46	10.00	28.75	28.00
24378	Truckers' Joy	Baltimore	1.96	2.00	4.58	4.00	1.25		7.87	7.00	22.36	20.40
24236	XX Potash Mixture	Baltimore			5.04	5.00	.77		12.02	12.00	16.01	15.80
	W. H. Street & Co., Fallston, Md.											
24040	Ammoniated Dissolved Bone	Baltimore	1.88	1.50	2.58	2.00	.95	1.50	9.30	9.00	21.64	19.40
	Superior Guano Co., Balto., Md.											
24091	All Soluble	Greensboro	2.68	3.00	4.04	4.00	.87		8.12	8.00	24.85	25.60
24008	M. B. W. Acid Phosphate 14%	Baltimore					.65		14.48	14.00	13.16	12.60
24328	M. B. W. Acid Phosphate 16%	Baltimore					.55		17.18	16.00	15.57	14.40
24261	M. B. W. Big Crop Grower	Baltimore	1.64	2.00	2.61	2.00	.60		9.67	8.00	21.01	19.60
23904	M. B. W. Bone, Blood & Potash	Baltimore	5.32	5.00	7.47	7.00	.70		8.05	8.00	38.69	36.60
24484	M. B. W. Bone Meal.	Baltimore	3.24	3.00			*23.21	*23.00			26.89	25.80
24266	M. B. W. Caroline Special	Baltimore	1.01	1.00	2.87	3.00	1.50		7.76	9.00	16.82	17.80

*Total Phosphoric Acid.

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							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Superior Guano Co., Balto., Md.											
24325	M. B. W. Cereal Grower.....	Baltimore	.53	.50	2.08	2.00	.70	.....	7.16	8.00	$13.07	$13.60
23977	M. B. W. Fruit Special.....	Baltimore	2.03	2.00	5.55	5 00	.95	.....	8.57	8.00	24.33	22.60
24255	M. B. W. Grain & Tomato Grower	Baltimore	1.09	1.00	5.02	5.00	.72	.....	6.45	7.00	17.41	17.40
23989	M. B. W. Phosphate and Potash	Baltimore	.....	.....	5.31	5.00	.22	.....	12.29	12.00	16.41	15.80
23948	M. B. W. Potato Special.....	Baltimore	2.06	2.00	10.27	10.00	1.45	.....	8.13	8.00	28.85	27.60
24108	M. B. W. PureAmm'dBone & Pot.	Baltimore	1.04	1.00	2.66	2.00	1.52	.....	8.02	8.00	17.05	15.60
24092	M. B. W. Royal Crop Grower...	Greensboro.....	1.09	1.00	4.58	4.00	.82	.....	8.35	8.00	19 29	17.60
24326	M. B. W. Special Corn and Grass	Baltimore	.....	.....	3.01	3.00	2.12	.....	7.81	6.00	10.46	8.40
24399	M. B. W. Special Mixture.....	Baltimore	1.62	2.00	3.55	5.00	.32	.....	6.79	8.00	18.31	22.60
24093	Special Mixture	Greensboro.....	3.19	4.00	4.03	4.00	.62	.. ..	6.03	6.00	24.28	27.20
	Swift & Co., Baltimore, Md.											
24117	Blood, Bone and Potash	Baltimore	4.06	4.00	7.70	7.00	.30	1.00	8.44	8.00	34.19	33.00
24344	Diamond Fertilizer "B".....	Baltimore	2.20	3.00	5.45	5.00	.62	1.00	8.29	8.00	24.45	27.00
24400	Diamond Fertilizer "C".....	Baltimore	2.08	2.00	4.60	4.00	.62	1.00	8.41	8.00	23.26	22.00
24009	Early Truck.....	Baltimore	4.56	5.00	5.25	5.00	.55	.....	8.15	7.00	33.49	33.40
23965	Excelsior Truck & Veg. Manure	Baltimore	6.40	7.00	5.36	5.00	.37	.....	7.19	6.00	39.74	40.20
24407	Farmers' Favorite.....	Baltimore	1.91	2.00	3.66	3.00	.99	1.00	8.71	9.00	22.15	22 20
24290	Farmers' Home Phos. and Pot..	Baltimore	.....	.....	4.62	4.00	.30	1.00	10.98	10.00	14.56	13.20
24015	Garden City Acid Phosphate....	Baltimore	.....	.....	.....	.....	.57	.....	14.86	14.00	13.48	12.60
24094	Golden Grain Grower.....	Massey	2.20	2.00	5.01	5.00	.30	1.00	8.13	8.00	23.69	23.00
24291	Grain Fertilizer	Baltimore	1.01	1.00	3.23	2.00	1.07	1.00	7.68	8.00	16.92	16.00
24274	Onion, Potato and Tobacco.....	Baltimore	1.91	2.00	7.03	7.00	.75	1.00	7.89	8.00	24.44	25.00

24292	Potato and Tomato Grower	Baltimore	3.55	4.00	9.14	10.00	.27	1.00	6.07	6.00	30.73	33.60
24016	Prolific Fertilizer	Baltimore	.61	.50	2.26	2.00	.85	.....	8.35	8.00	15.06	13.60
24408	Pure Bone Meal	Baltimore	2.70	3.00	.....	.....	*26.97	*24.00	.....	.....	26.98	26.40
24409	Raw Bone Meal	Baltimore	3.41	4.50	.....	.....	*21.52	*23.00	.....	.....	26.55	31.80
24168	Red Steer	Bel Air	2.35	2.00	2.57	2.00	.30	.....	6.90	8.00	20.37	19.60
24455	Royal Guano	Baltimore	1.66	2.00	5.13	5.00	.50	1.00	7.09	7.00	20.48	21.80
24473	Special H. G. Acid Phosphate	Baltimore	.....	.....	.....	.....	1.27	1.00	16.50	16.00	15.10	14.60
24401	Special H. G. Phosphate & Pot.	Baltimore	.....	.....	5.24	5.00	.57	1.00	11.58	12.00	15.77	16.00
24410	Special Potato Fertilizer	Baltimore	2.01	2.00	11.42	10.00	1.07	1.00	7.46	8.00	28.84	28.00
24017	Sweet Potato Guano	Baltimore	3.05	3.00	5.92	6.00	.67	....	7.27	6.00	27.11	25.20
24350	Truck Grower	Baltimore	1.76	1.00	3.64	4.00	.52	1.00	9.38	8.00	22.15	18.00
24275	Wheat Grower Phos. & Potash	Baltimore	.....	.....	2.30	2.00	.17	1.00	10.86	10.00	12.10	11 20
	H. S. Taveau & Co., Balto., Md.											
23990	Allerton Brand	Baltimore	2.05	2.00	3.15	2.50	.87	.....	9.67	9.00	23.30	21.30
24248	Bone Compound	Baltimore	1.04	1.00	2.12	2.00	1.05	.....	8.02	8.00	16.32	15.60
24421	Bone Meal	Baltimore	2.76	3.00	.....	....	*13.03	*13.73	.....	.....	18.86	20.24
24041	Dissolved S. C. Bone	Baltimore	.....	...	.....	.....	.50	....	14.74	14.00	13.37	12.60
24262	Fine Ground Bone Meal	Baltimore	3.19	3.00	.....	.....	*14.30	*13.73	.....	.....	21.34	20.24
24237	Florida Phosphate	Baltimore	.....	.....	.....	.....	1.17	.....	13.78	14.00	12.63	12.60
24238	Pride of Maryland	Baltimore	1.01	1.00	2.61	2.50	.97	.....	10.15	10.00	19.22	18.50
24385	Pride of Virginia	Baltimore	.....	.....	2.93	3.00	.75	.....	11.86	12.00	13.75	13.80
24386	Special Compound	Baltimore	.....	.....	3.13	3.00	.65	.....	12.55	12.00	14.56	13.80
24387	Special Compound No. 2	Baltimore	1.06	1.00	2 19	2.00	1.00	.....	8.34	8.00	16.84	15.60
	D. A. Thomas & Co., Hagerstown, Md.											
24435	Bone Mixture	Hancock	2.02	2.00	2.03	2.00	.62	.....	8.03	8.00	20.00	19.60
24436	Crown Jewel	Hagerstown	1.16	1 00	2.57	3.00	1.07	.....	9.13	9.00	18.60	17.80
24452	Dissolved Bone	Hagerstown	2.53	2.25	4.19	4.00	.62	.....	10.35	10.00	26.98	25.00
23297	Dissolved Phosphate	Hagerstown	.....	.....	.....	.....	.75	.....	14.43	14.00	13.14	12.60
24438	Dissolved Phosphate	Hagerstown	.....	...	.....	.....	.57	.....	16.38	16.00	14.85	14.40
24439	Excelsior	Hagerstown	1.89	2.00	4.02	4.00	.86	.....	8.02	8.00	21.54	21.60
24440	Golden Sheaf	Hagerstown	1.08	1.00	1.05	1.00	.82	.....	7.63	8.00	14.86	14.60
24441	Keystone Compound	Hagerstown	1.08	1.00	4.04	4.00	.95	.....	7.77	8.00	18.06	17.60
24442	Planters' Mixture	Hagerstown	1.11	1.00	5.51	6.00	.82	.....	7.92	8.00	19.78	19.60
24443	Potash Special	Hagerstown	.....	.....	5.15	5.00	.45	.....	11.59	12.00	15.67	15.80
24444	Soluble Phosphate and Potash	Hancock	.....	.....	2.72	2.00	1.37	.....	9.17	10.00	11.24	11.00
23875	Special Mixture	Hagerstown (M.W.)	2.06	2.00	7.04	7.00	.95	.....	11.90	10.00	29.94	27.00

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	I. P. Thomas & Son Co., Phila. Pa.											
24470	Potato Fertilizer	Annapolis	2.03	2.00	6.13	6.00	.75	1.00	9.42	9.00	$25.85	$25.20
24362	Potato Manure	Annapolis	2.78	3.00	6.47	6.00	1.72	1.00	9.34	9.00	29.49	29.20
24182	Tip Top Super-Phosphate	Providence	3.02	3.00	4.39	4.00	.77	1.00	8.41	8.00	26.87	26.00
24183	Victor Potash Manure	Providence	1.18	1.00	4.76	5.00	.67	1.00	8.13	8.00	19.51	19.00
	W. B. Tilghman Co., Salisbury Md.											
24097	Fish, Bone & Potash Mixture,	Berlin	.85	1.00	2.03	2.00	.62	.....	10.14	10.00	17.85	18.00
24175	High Grade Corn Fertilizer	Salisbury	1.04	1.00	5.43	5.00	.47	.....	9.12	10.00	20.72	21.00
24023	High Grade Early Truck Guano	Stockton	4.86	5.00	5.66	5.00	1.32	.....	8.21	7.00	35.48	33.40
24142	High Grade Potash Mixture	Berlin	2.13	2.00	9.61	10.00	1.05	.....	9.93	8.00	30.47	27.60
24176	High Grade Potato Fertilizer	Marion Station	2.87	3.00	6.52	6.00	.65	.....	7.32	6.00	27.04	25.20
24024	Mixture "B"	Stockton	4.13	4.00	4.27	4.00	.90	.....	8.19	7.00	30.98	28.40
24025	7% Fertilizer	Stockton	6.28	7.00	5.37	5.00	1.27	.....	7.02	6.00	39.42	40.20
24098	Standard Fish Mixture	Berlin	1.83	2.00	2.31	2.00	1.25	.....	8.90	8.00	20.81	19.60
24143	Standard Tomato Mixture	Berlin	2.15	2.00	3.64	4.00	1.05	.....	8.35	8.00	22.68	21.60
24099	Station's Strawberry Special	Berlin	4.16	5.00	9.16	7.50	1.00	.....	7.78	6.00	35.54	34.70
	Turner & Son, Betterton, Md.											
24196	XX Tomato, Potato & Truck Fert	Baltimore	1.83	2.00	5.53	5.00	1.07	.....	8.06	7.00	22.95	21.40
	Tuscarora Fertilizer Co., Balto., Md											
23978	Acid Phosphate	Baltimore	..	.....	.....	.....	.87	.....	15.09	14.00	13.75	12.60
24263	Acid Phosphate	Baltimore	.....	.....	.....	.....	.22	.50	16.76	16.00	15.12	14.50
24315	Alkaline	Baltimore	.....	.....	5.02	5.00	.57	.50	10.54	10.00	14.62	14.10

24071	Big (4) Four	Baltimore	2.01	2.00	4.76	4.00	.72	.50	6.90	7.00	21.37	20.60
24276	Fruit and Potato	Baltimore	1.69	2.00	10.44	10.00	1.62	.50	7.83	8.00	27.25	27.80
24109	Garden	Baltimore	3.27	3.50	4.04	4.00	.75	.50	8.73	8.00	27.90	27.80
23997	Manure Substitute	Baltimore	4.03	4.00	4.51	4.00	.70	.50	6.44	6.00	28.64	27.40
24293	Phosphate and Potash	Baltimore	.....	.....	4.76	5.00	.50	.50	13.37	12.00	16.89	15.90
23979	Special Virginia Trucker	Baltimore	5.44	5.00	7.24	7.00	.77	.....	6.61	6.00	37.24	34.20
24316	Sure Grower	Baltimore	.85	.50	3.03	3.00	.30	.50	8.44	8.00	16.68	14.80
24249	York State Special	Baltimore	1.01	1.00	4.15	4.00	.67	.50	7.87	8.00	17.90	17.80
	J. E. Tygert Co., Phila., Pa.											
24273	Big Crop Grower	Baltimore	.....	.....	5.02	5.00	.40	.....	8.30	8.00	12.57	12.20
24415	Tomato Fertilizer	Baltimore	2.01	2.00	6.08	5.00	1.05	.....	7.53	7.00	23.58	21.40
	J. Tyson & Son, Frederick, Md.											
24133	Corn and Potato Fertilizer	Gapland	.96	1.00	2.52	2.00	.50	.....	6.31	8.00	14.13	15.60
24150	Special Mixture	Poolesville	.75	1.00	2.15	1.00	.75	.....	7.81	8.00	14.82	14.60
	United States Fertilizer Co., Balto., Md.											
24042	Farm Bell Acid Phosphate	Baltimore	.....	.....	.....	.....	.12	1.00	16.95	14.00	15.28	12.80
24054	Farm Bell Acid and Potash	Baltimore	.....	.....	6.58	6.00	.17	1.00	11.83	10.00	17.26	15.20
24379	Farm Bell Alkaline Mixture	Baltimore	.....	.....	4.03	2.00	.37	1.00	11.17	10.00	14.15	11.20
24072	Farm Bell Animal Ammoniated	Baltimore	2.13	2.00	5.13	5.00	.77	1.00	8.27	8.00	23.88	23.00
24064	Farm Bell Blood, Bone & Potash	Baltimore	4.62	5.00	7.42	7.00	1.17	1.00	8.51	8.00	36.58	37.00
24294	Farm Bell Buckeye Guano	Baltimore	1.28	1.00	2.36	2.00	.60	1.00	9.25	9.00	18.82	17.20
24197	Farm Bell Crop Producer'	Baltimore	1.23	1.00	2.34	1.00	.92	1.00	8.78	8.00	18.17	15.00
24010	Farm Bell Blood, Bone & Potash	Baltimore	5.01	5.00	7.70	7.00	.40	1.00	8.32	8.00	37.88	37.00
24035	Farm Bell Fruit & Potato Guano	Baltimore	2.03	2.00	9.35	10.00	.47	1.00	8.60	8.00	27.98	28.00
24173	Farm Bell Grain Grower	Perryman	.73	.50	2.15	2.00	.47	1.00	8.19	8.00	15.09	14.00
24351	Farm Bell Klimax Kompound	Baltimore	1.37	1.00	4.55	4.00	.35	1.00	8.89	7.00	20.84	16.80
24169	Farm Bell Pennant Winner	Bel Air	1.21	1.00	4.60	4.00	.62	.....	9.17	8.00	20.69	17.60
24198	Farm Bell Phosphate and Pot	Baltimore	.....	.....	5.59	5.00	.15	1.00	8.70	8.00	13.45	12.40
24267	Farm Bell Phospho—Potasso	Baltimore	.....	.....	5.43	5.00	.42	1.00	12.30	12.00	16.58	16.00
23958	Farm Bell Potato and Tobacco	Baltimore	3.81	3.00	7.49	10.00	.72	1.00	7.84	7.00	32.43	30.80
24082	Farm Bell Raw Bone'	Baltimore	4.52	4.50	.....	.....	*21.79	f45.00	.....		31.15	45.00
24352	Farm Bell Special Mixture	Baltimore	.....	.....	4.67	4.00	.35	1.00	10.14	10.00	13.87	13.20
23287	Farm Bell Standard Guano		2.03	2.00	2.62	2.00	.80	1.00	8.25	8.00	20.96	20 00
24073	Farm Bell Ten and Five Mixture	Baltimore	.....	.....	5.89	5.00	.35	1.00	10.22	10.00	15.16	14.20
24083	Farm Bell Tomato Special	Baltimore	2.64	2.50	3.65	3.00	1.10	1.00	8.02	8.00	24.27	23.00
24084	Farm Bell Trucker's Favorite	Baltimore	4.04	4.00	9.01	8.00	.72	1.00	7.01	6.00	33.87	31.60
23960	Farm Bell Trucker 7%	Baltimore	6.72	7.00	5.73	5.00	.70	1.00	6.38	6.00	40.55	40.60

*Total Phosphoric Acid.

f "Bone Phosphate"

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	U. S. Fert. Co., Balto., Md.											
24199	Farm Bell Wht., Oat & Corn Spec	Baltimore	1.16	1.00	6.77	6.00	.62	1.00	8.13	8.00	$21.42	$20.00
24043	Maryland Trucker	Baltimore	3.17	3.00	3.66	5.00	.75	1.00	9.34	7.00	27.85	25.80
	E. S. Valliant & Son, Church Hill, Md.											
23975	Acid Phosphate	Baltimore	.....	.....	.....	.....	1.25	.50	16.29	14.00	14.91	12.70
23933	Favorite Brand	Baltimore	1.86	2.00	5.57	5.00	.52	.....	9.30	8.00	24.38	22.60
23855	Favorite Brand	Dor. Co. (W.O.B.)	2.08	2.00	5.94	5.00	.82	.....	9.05	8.00	25.45	22.60
23856	Favorite Brand	Dor. Co. (H.F.B.)	1.55	2.00	4.78	5.00	.67	.....	9.60	8.00	22.77	22.60
23934	Spring Guano	Baltimore	4.10	4.00	6.03	6.00	.50	.....	7.87	7.00	32.07	30.40
23857	Spring Guano	Dor. Co. (H.F.B.)	4.01	4.00	6.45	6.00	.45	.....	7.68	7.00	31.89	30.40
23976	Standard Fertilizer	Baltimore	1.09	1.00	5.32	4.00	.60	.....	10.46	9.00	22.47	18.80
	Virginia-Carolina Chemical Co., Richmond, Va.											
24240	Acid Phosphate 16%	Baltimore	.....	.....	.....	.....	1.47	.....	17.72	16.00	16.24	14.40
24411	Corn and Buckwheat Special	Baltimore	.....	.....	3.23	3.00	1.32	1.00	6.54	6.00	9.38	8.60
24241	Dissolved Bone and Potash	Baltimore	.....	.....	2.41	2.00	1.52	.....	10.02	10.00	11.73	11.00
24242	Double Bone and Potash	Baltimore	.....	.....	3.55	4.00	.87	1.00	7.56	8.00	10.52	11.40
24250	Fish, Bone and Potash	Baltimore	1.71	2.00	3.17	3.00	3.45	1.00	8.30	8.00	21.35	21.00
24134	National Ammoniated Guano	Emmitsburg	1.21	1.00	4.02	4.00	2.42	1.00	8.44	8.00	19.96	18.00
24445	Peerless Bone and Potash	Haucock	.....	.....	2.02	2.00	1.07	1.00	9.94	8.00	11.18	9.40
24251	Prize Potato Manure	Baltimore	2.02	2.00	5.56	6.00	2.42	1.00	6.41	6.00	22.30	21.60
24446	Pure Raw Bone	Hancock	4.81	4.50	.....	.....	*22.41	*22.50	.....	.....	32.69	31.50
24447	Special Bone and Potash	Ladiesburg	.....	.....	4.61	5.00	1.37	1.00	10.11	10.00	13.98	14.20

24448	Special Potash Mixture	Hancock			5.53	5.00	1.10	1.00	9.50	8.00	14.30	12.40
24135	Standard Bone and Potash	Emmitsburg			2.17	2.00	.40	1.00	10.77	10.00	11.94	11.20
24449	Wheat and Clover Mixture.	Hancock	1.21	1.00	2.51	2.00	2.67	1.00	9.14	9.00	19.39	17.20
	S. L. Webster & Son, Cambridge, Md.											
24422	Ammoniated Bone Fert. No. 2.	Baltimore	1.88	2.00	4.35	3.00	.90		7.96	7.00	21.78	19.40
24388	Fish Mixture	Baltimore	1.81	1.50	2.48	2.00	1.00		9.11	8.50	21.05	18.20
	Westminster Fertilizer Co., Westminster, Md.											
24499	Governor	Westminster	1.53	1.50	3.02	2.50	.50		9.24	9.00	20.43	19.30
23277	Super—A—	Westminster	.77	.75	1.11	1.00	.57		9.39	8.00	15.69	13.60
	H. W. Whistler, Fountain Green, Md.											
24170	Crop Grower	Fountain Green	1.69	1.50	2.57	2.00	.87		8.44	8.00	19.81	17.60
	F. M. Wilson & Co., Pocomoke City, Md.											
24100	Favorite Truck Fertilizer	Pocomoke City	3.31	3.00	8.17	7.00	1.17		8.41	8.00	31.97	28.60
24101	Peninsula Amm'd Super-Phos	Pocomoke City	1.37	1.50	1.92	2.00	.57		12 55	10.00	22.69	20.00
	R. A. Wooldridge Co., Balto., Md.											
24136	Ammoniated Phosphate	Boonsboro	1.02	1.00	1.01	1.00	.65		9.39	8.00	16.62	14.60
24137	Champion Giant Phosphate	Boonsboro	1.30	1.00	2.05	2.00	.85		9.75	9.00	19.29	16.80
24138	Chieftain Phosphate	Boonsboro	2.10	2.00	2.20	2.00	.82		9.16	8.00	21.92	19.60
23922	Gold. Cr. Pure Bone Truck Phos.	Baltimore	7.03	7.00	5.62	5.00	1.77		8.21	6.00	44.30	40.20
24374	Double Quick Phosphate	Baltimore	3.04	2.75	3.29	3.00	.97		9.57	9.00	27.32	24.80
23949	Eclipse Animal Bone Truck Fert.	Baltimore	8.84	10.00	3.65	3.00	1.27		6.95	5.00	47.86	49.00
24002	Farmers' Favorite Cereal Comp.	Baltimore	.72	.50	2.20	2.00	.77		7.42	7.00	14.29	12.40
24074	Fernwood Grange Mixture	Baltimore	2.06	2.00	7.02	8.00	1.10		8.40	8.00	25.78	25.60
23966	Florida Acid Phosphate	Baltimore					.67		14.52	14.00	13.20	12.60
24055	German Potash Mixture	Baltimore			2.22	2.00	.40		11.08	10.00	12.27	11.00
24128	Champion Giant Phosphate	Singerly	1.01	1.00	2.08	2.00	.60		9.84	8.00	18.17	15.60
24102	Golden Crown	Pocomoke City	7.61	7.00	5.81	5.00	1.70		6.38	6.00	44.59	40.20
24329	High Grade Acid Phosphate	Baltimore					.10		17.59	16.00	15.85	14.40
24252	Ideal Grain & Grass Producer.	Baltimore			4.09	4.00	.72		10.03	10.00	13.26	13.00
23961	Liberty Bell Potash Mixture	Baltimore			3.02	3.00	.65		12.02	12.00	13.97	13.80
24003	No. 1 Phosphate and Potash	Baltimore			3.34	3.00	.20		7.39	6.00	10.03	8.40
24065	No. 2 Phosphate and Potash	Baltimore			5.02	5.00	.50		9.20	8.00	13.40	12.20
24118	Old Sledge Phosphate	Baltimore			5.10	5.00	.65		12.37	12.00	16.36	15.80
23998	Pure Raw Bone	Baltimore	4.33	4.50			*21.66	*21.51			30.32	30.91
24066	Sovereign Trucker	Baltimore	4.69	5.00	5.30	5.00	1.50		8.11	7.00	34.39	33.40
23950	Special Potato & Tobacco Fert.	Baltimore	2.08	2.00	5.68	5.00	.87		9.63	9.00	25.91	23.80

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	R. A. Wooldridge Co. Balto., Md.											
23923	Sweep Stakes Sure Shot Tr. Phos	Baltimore	2.92	3.00	6.67	8.00	1.07	.....	8.49	7.00	$28.97	$24.40
24067	Triumph Brand Phosphate	Baltimore	1.62	1.50	4.24	4.00	1.27	.....	8.77	8.00	21.75	19.60
	Wooldridge Fertilizer Co., Balto., Md.											
24122	Clover Leaf Crop Grower	Germantown	.67	.50	2.23	2.00	.37	.50	8.81	8.00	15.63	13.80
24123	Curacao Guano	Germantown	.....	.....	.....	.....	12.00	13.00	11.54	9.00	12.79	10.70
23939	F.F.V. Flesh and Fish Vegetator	Baltimore	3.12	3.00	8.48	7.00	.52	.50	6.89	7.00	29.44	27.60
24044	H. G. Potato and Tomato Grower	Baltimore	2.42	2.00	5.02	5.00	.70	.50	9.02	9.00	25.80	24.00
24110	Orchilla Guano	Baltimore	.....	.....	.....	.....	12.05	12.00	11.80	8.00	13.03	9.60
24085	Tiger Bone Stock Phosphate	Baltimore	1.37	1.25	4.63	4.50	.82	.50	8.09	8.00	20.15	19.30
	York Chemical Works, York, Pa.											
23278	Dempwolf's Half and Half	Manchester	1.09	1.00	1.50	1.00	1.17	.....	7.04	7.00	14.78	13.40
23279	Dempwolf's Harvest Queen	Manchester	1.12	1.00	2.40	2.00	.85	.....	8.18	8.00	17.04	15.60
24174	Dempwolf's Potato Manure	Street	1.16	1.00	7.30	7.00	.80	.....	7.17	6.00	20 86	18.20
23280	Dempwolf's Red Cross	Mancnester	.....	.....	6.31	5.00	.25	.....	9.09	10.00	14.54	14.00
24161	Dempwolf's Standard Potash	Baldwin	1.06	1.00	4.28	4.00	.92	.....	8.64	8.00	19.26	17.60
23423	Dempwolf's York Special	Kumps	.....	.....	3.54	4.00	.82	.....	10.13	8.00	12.82	11.20

FERTILIZER LAW OF MARYLAND.

(Takes effect February 1, 1913.)

Section 1. That the term "Fertilizer" as used in that Act shall be held to mean any commercial fertilizer or any article, substance or mixture sold, offered or exposed for sale for manurial purposes within this State, of which the selling price shall be more than Eight Dollars ($8.00) per ton of two thousand pounds, but shall not include ground gypsum, lime or dung of domestic animals when sold as such, and not mixed with other fertilizers. The term "State Chemist" shall mean the Professor in Charge of the Chemical Department of the Maryland Agricultural College, who shall be ex-officio State Chemist. The term Brand shall mean the full name, brand, and trade mark, under which the fertilizer is sold, together with the statement of the percentage of the valuable ingredients contained therein.

Sec. 2. Before any fertilizer is sold, offered, or exposed for sale within the State the following conditions must be complied with: (A), The importer, manufacturer, manipulator, dealer or agent shall register with the State Chemist, the brands of fertilizers contemplated to be sold, and pay an inspection fee of ten dollars ($10.00) per brand, and at the close of the calendar year shall file a statement with the State Chemist, made under oath in due form of law, as to the total number of tons of fertilizers sold in this State, and shall pay thereon ten cents per ton not including in said statement the goods sold in bulk to manufacturers, manipulators or mixers; deducting the total amount of the inspection fees paid in the registration of the brands of fertilizers, as already provided for in this section, and no other license shall be required to sell fertilizers in this State, provided, when any manufacturer, dealer, or importer has paid the required inspection fees, no other person selling the same goods under his name and brand shall be required to pay such fee. (B), Every bag, barrel, or package of fertilizer, and every parcel or lot, if sold in bulk, must bear in legible print, or be accompanied by a clear and true statement showing the net pounds in the package or lot, the name, brand, or trade-mark, under which the fertilizer is sold, the name and address of the manufacturer, importer or manipulator, the place of manufacture or manipulation, and a chemical analysis stating the percentage of the minimum, and only the minimum contained therein, of nitrogen, in an available form, or its equivalent in ammonia, of potash soluble in distilled water, and of available phosphoric acid; in lieu of the available phosphoric acid the soluble phosphoric acid and the reverted phosphoric acid may be given; it shall be lawful to state the maximum percentage of chlorine and the minimum of insoluble phosphoric acid; in case of unacidulated bone, tankage, fish or other animal or vegetable matter used as fertilizer, it shall be lawful to guarantee the phosphoric acid as total phosphoric acid, but it shall be unlawful to include the same constituents more than once in the guaranteed analysis of any fertilizer, either in the same form of combination or in a different form of combination.

Sec. 3. Each failure to comply with any of the conditions of Section 2 of this Act, shall be punishable by a fine of $100.00 for the first offense, and $200.00 for each subsequent offense, provided that the penalty for failure to file the required statement, and pay the fee provided for within this Act, within sixty days after the close of the calendar year, shall be Two Hundred Dollars for the first week, after the

sixty days limit, and Three Hundred Dollars for each subsequent week, provided further, that no manufacturer, dealer or importer shall be permitted to register any brand or brands, for the next ensuing year, until all the provisions in Section 2 of this Act have been complied with, including the statement of the total tonnage sold in this State for the previous year, and paid the ten cents per ton on this said tonnage.

Sec. 4. It shall be unlawful to sell or offer for sale, unless the same be plainly marked "low grade," any acid-phosphate or dissolved Rock containing less than fourteen (14) per cent of available phosphoric acid, (b) any phosphate and potash with less than two per cent of potash and with less than twelve per cent of potash and available phosphoric acid combined, (c) any ammoniated fertilizer with less than one per cent of ammonia, or its equivalent in nitrogen, or less than one per cent of potash, if potash is claimed to be present, and less than ten per cent of ammonia, potash and phosphoric acid combined; any failure to comply with any of the provisions of this section shall be punishable by a fine of twenty-five dollars ($25.00) for the first offense and one hundred dollars ($100.00) for each subsequent offense.

Sec. 5. It shall be the duty of the Maryland Agricultural College to analyze without cost or charge all samples of fertilizers sent to it for the purpose of being analyzed by any person or persons purchasing or procuring the same in this State for his or their use or uses, provided such persons are not interested in the analysis desired other than as a consumer, of which certificate shall be made and shall accompany such sample or samples, and further, such samples are taken and sent as described by this Act and free of cost of transportation to said College; and it shall be the duty of the Maryland Agricultural College to procure samples, as far as practicable, in every year of all fertilizers sold and used in this State, for the purpose of analyzing the same, and any duly authorized agent or representative of the said College shall have the right to take samples as provided by this Act from any lot or parcel of fertilizer in transit or in possession or in keeping of any manufacturer, manipulator, dealer, agent or consumer for use in this State, and it shall be the duty of the Maryland Agricultural College, to send in the result of the analysis of every sample of fertilizer to the person from whom such sample was taken, or received, and also to publish from time to time, the results of the analysis made by the said College of the samples sent to, or procured by it for such purpose, and it shall be the duty of the Maryland Agricultural College when reporting or publishing the result of any analysis made to state the approximate commercial value in dollars and cents of the fertilizer so analyzed per ton of two thousand pounds, such value to be based upon the analysis made at the College and upon a standard of valuation to be escertained, fixed and published by said College annually after conference with the proper officials of adjacent States.

Sec. 6. All samples of fertilizers for analysis, at the Maryland Agricultural College, shall be taken from unbroken packages or bags that have not been damaged or injured in transit or by exposure, and when in the possession of the purchaser or purchasers within thirty (30) days after coming into their possession, it shall be lawful for any purchaser or purchasers of any fertilizer or fertilizers, provided that he be not a manufacturer, manipulator or agent of either, to have a sample taken from any such unbroken packages or bags in the presence of two

disinterested persons and forward to the Maryland Agricultural College for analysis, accompanied by a statement on the department forms, certifying that the sample has been correctly drawn according to the provisions of this Act, that it shall not be lawful for said Agricultural College, or its chemists, to previously demand of any purchaser or purchasers so sending said sample or samples for analysis to give any advice, information or statement, to the said College or its Chemists as to any analysis, found on the original unbroken packages, or bags from which said sample or samples were taken, or the name or names of any individual, representative, agent or corporation or firm from which said fertilizer or fertilizers were purchased; and it shall be the duty of the Agricultural College to have its proper and authorized chemist to at once make a full and complete analysis of the sample or samples so sent, and within thirty (30) days thereafter return to such person or persons for whom the sample or samples were received a full and complete analysis, and it shall be unlawful for any individual or any representative or any agent of any corporation or firm, or any corporation or firm itself to have either directly or indirectly, communication with the Agricultural College, or its Chemists, agents or representatives, or the sender of any sample with regard to the analysis of any fertilizer or fertilizers sent to the Agricultural College by the purchaser or purchasers thereof for analysis, under the provisions of this section, nor shall the Agricultural College, nor its chemists nor its agent or agents, or the sender of any sample, furnish any information or communicate with any manufacturer of fertilizer about any such sample submitted for analysis until after a report of said analysis shall have been duly furnished to the applicant for such analysis under this section; provided that all samples sent to the Maryland Agricultural College by any purchaser or purchasers, shall be drawn from at least five per cent of the total number of bags purchased, the samples to be thoroughly mixed in a clean, dry place, and a suitable sample shall be taken from said mixture and placed in a suitable vessel or vessels, carefully closed and sealed with an identifying label, and the same then taken or sent by safe carriage to the said College for analysis; every sample sent for analysis by the State Chemist as provided for in this section, shall be fully described on forms to be furnished by said chemist free of charge, said description giving a full and complete statement of the time and place of sampling, of all marks on the bags or packages thereof and all of the facts, relating to the same, said description and statement shall be signed by the owner of the fertilizer and the person drawing the sample; provided further that the purchaser or purchasers sending such sample or samples of fertilizer, shall withhold said description or descriptions of said sample or samples until he has received the report of the said State Chemist of the analysis of the same, any person or persons receiving an analysis from the State Chemist under this Act shall immediately thereafter forward to him the statement required by this Act, to be made at the time of taking the sample or samples; any person or persons, violating the provisions of this Section, shall be punished by a fine of one hundred dollars ($100.00).

Sec. 7. Any manufacturer, agent or representative who shall be convicted of making false and fraudulent representations as to the quality and constituent elements of any fertilizers by the printed analysis or false or misleading statement upon any such bag or package shall be fined one hundred dollars ($100.00) for the first offense, and

two hundred dollars ($200.00) for every subsequent offense, thereafter; and the report of the analysis of any such sample of fertilizer sent to the Agricultural College for examination under this Act shall be prima-facie evidence as to the quality of the lot of fertilizer, from which said sample was taken.

Sec. 8. All inspection fees received by the State Chemist under Section 2 of this Act, shall be paid into the Treasury of the Maryland Agricultural College, as directed by the trustees thereof to pay for the cost of the analysis, inspections, sampling and other expenses required by this Act.

Sec. 9. Any purchaser of fertilizer who shall be injured or defrauded by the contents of the bag, barrel, or other package, or fertilizer in bulk, not conforming in quantity or quality to the marks, labels, or statements on or accompanying the same, or who shall purchase fertilizer branded, "pure bone" when the same is adulterated with oyster shell or other foreign matter, even if the analysis corresponds to the guaranteed analysis on the package, may receive from the seller or sellers thereof in an action of debt, an amount equal to the purchase money and cost of suit, and in case the purchase is made of an agent, or any person or persons, residing out of the limits of the State of Maryland, or company, or corporation whose principal place of business is out of the State, the purchaser may at his or her option proceed by attachment, as now provided for by the law in case of non-resident, and absconding debtors, against any property, right or credits, of any person or persons, company or corporation furnishing said fertilizer, when such property rights or credits can be found within the limits of the State of Maryland; provided, the purchaser of any fertilizer, shall not be deemed to be defrauded by a shortage in one or two of the constituents of said fertilizers, not to exceed one-fifth of the amount guaranteed, if the shortage is accompanied by an excess of other constituent or constituents of double the commercial value, and provided further, that if the shortage does not exceed 20 per cent of the amount guaranteed, otherwise, the purchaser may receive as damage twice the amount of the value of such shortage.

Sec. 10. Any manufacturer, dealer, agent, or other person who shall adulterate, add to or take anything from any fertilizer, sold or offered for sale, within this State, shall be deemed guilty of a misdemeanor, and shall upon conviction thereof in any Court having jurisdiction be punished by a fine not to exceed two hundred dollars ($200.00) and imprisonment in jail not exceeding six months, or by fine and imprisonment at the discretion of the Court before whom he shall be tried.

Sec. 11. This act shall not apply to substances and materials sold in bulk to manufacturers or manipulators of fertilizers, nor shall it be required to be registered with the State Chemist as required in Section 2 (A), any formula mixed after the formula furnished by the consumer; provided, in lieu of such registration, all such packages of fertilizers shall be plainly marked or tagged with the words "Mixed to Order," and be accompanied by a statement giving the guaranteed analysis and in all other particulars conform to this Act.

Sec. 12. It shall be the duty of the State Attorneys to prosecute all persons accused of violating this Act or any of the provisions of this Act.

Sec. 13. All Acts and parts of Acts inconsistent herewith are hereby repealed.